User's Guide

TD-4210D
TD-4410D
TD-4420DN
TD-4520DN

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Table of Contents

Before You Use Your Brother Machine 1
Definitions of Notes 2
General Precautions 3
Trademarks and Licenses 4
Open Source Licensing Remarks 5
Important Note 6
Set Up Your Printer 7
Parts Description 8
Load the RD Roll 10
Check the Sensor Position 13
Connect the Power Cord 16
Turn Power On/Off 17
Install Software 18
Install Printer Drivers and Software on a Computer 19
Available Applications 20
Connect the Printer to a Computer 21
Connect the Printer to a Computer Using a USB Cable 22
Connect the Printer to a Computer Using a Wired LAN 23
Create Labels and Print Using Computer 24
Create Labels Using P-touch Editor (Windows) 25
Main Window of P-touch Editor Express Mode (Windows) 26
Main Window of P-touch Editor Professional Mode (Windows) 27
Main Window of P-touch Editor Snap Mode (Windows) 28
Print Labels Using P-touch Editor (Windows) 29
Create Labels and Print without Installing Software and Drivers 30
Print Using USB Interface (Mass Storage Mode) 31
Print Image Data without Using the Printer Driver 32
Print Labels Distributed to Multiple Printers to Reduce Printing Time (Windows) 33
Print Barcode Labels Using Crop Print (Windows) 35
Barcodes Compatible with Crop Print (Windows) 36
Barcode Document Compatible with Crop Print (Windows) 37
Print Barcode Labels Using Crop Print (Windows) 39
Print Labels Using the Printer Driver (Windows) 41
Print Labels Using Mobile Devices 42
Install Mobile Apps 43
Transfer Templates to the Printer (P-touch Transfer Manager) (Windows) 44
Transfer Templates to the Printer Using P-touch Transfer Manager (Windows) 45
Notes on Using P-touch Transfer Manager (Windows) 46
Transfer Templates from the Computer to the Printer (Windows) 47
Backup Templates or Other Data Saved in the Printer (Windows) 55
Delete Printer Data (Windows) 56
Create Transfer Files and Transfer Package Files (Windows) 57
Distribute Templates to be Transferred to Users Without Using P-touch Transfer Manager (Windows) 59
Store or Manage Templates (P-touch Library) 63

Edit Templates Using P-touch Library (Windows) ... 64
Print Templates Using P-touch Library (Windows) ... 65
Search Templates Using P-touch Library (Windows) ... 66
Network ... 68
Learn about Network Management Software and Utilities ... 69
Update ... 70
Update P-touch Editor (Windows) ... 71
Update the Firmware ... 73
Printer Settings ... 75
Change Printer Settings Using the Printer Setting Tool (Windows) ... 76
Communication Settings of the Printer Setting Tool (Windows) ... 78
Device Settings of the Printer Setting Tool (Windows) ... 82
P-touch Template Settings of the Printer Setting Tool (Windows) ... 87
Paper Size Setup of Printer Setting Tool (Windows) ... 89
Apply Setting Changes to Multiple Printers (Windows) ... 94
Change Printer Settings Using Web Based Management ... 95
Set or Change a Login Password for Web Based Management ... 96
Confirm Printer Settings ... 97
Routine Maintenance ... 98
Clean Your Printer ... 99
Troubleshooting ... 101
If You Are Having Difficulty with Your Machine ... 102
Error and Maintenance Indications ... 103
Printing Problems ... 105
Version Information ... 110
Reset the Printer ... 111
Appendix ... 112
Specifications ... 113
Software Development Kit ... 115
Auto Media Configuration ... 116
Auto Media Configuration Overview ... 117
Use the Auto Media Configuration Function ... 118
Options ... 119
Clean Other Printer Components ... 120
Change the Label Peeler Options ... 123
Change the Cutting Options ... 124
Brother Numbers ... 125

Before You Use Your Brother Machine

- Definitions of Notes
- General Precautions
- Trademarks and Licenses
- Open Source Licensing Remarks
- Important Note

Definitions of Notes

We use the following symbols and conventions throughout this User's Guide:

⚠ WARNING	WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injuries.
⚠ CAUTION	CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injuries.
IMPORTANT	IMPORTANT indicates a potentially hazardous situation which, if not avoided, may result in damage to property or loss of product functionality.
NOTE	NOTE specifies the operating environment, conditions for installation, or special conditions of use.
	Tips icons indicate helpful hints and supplementary information.
Bold	Bold style identifies buttons on the machine's control panel or computer screen.
Italics	Italicised style emphasises an important point or refers you to a related topic.

Related Information

- Before You Use Your Brother Machine

General Precautions

RD Rolls

- Use Brother accessories and supplies (indicated by the RD ROLLS mark).
- If the label is affixed to a wet, dirty, or oily surface, it may peel off easily. Before affixing the label, clean the surface to which the label is affixed.
- Store the RD Roll in a cool and dark place and use it soon after opening the package.
- Do not expose the RD Roll to direct sunlight, high temperature, high humidity, wind, or dust as it may cause labels to peel off or discolour.
- Scratching the printed surface of the label with your fingernails or metal objects, or touching the printed surface with wet hands, can cause the colour to change or fade.
- DO NOT affix labels to people, animals, or plants. Never affix labels to public or private property without permission.
- As the last label of the RD Roll may not be printed correctly, each roll contains more labels than is indicated on the package.
- When a label is removed after being affixed to a surface, a portion of the label may remain.
- When a label is affixed, it may be difficult to remove the label.
- For warnings and safety precautions, see the *Product Safety Guide*.

Related Information

- Before You Use Your Brother Machine

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- Blue SDK

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Any trade names and product names of companies appearing on Brother products, related documents and any other materials are all trademarks or registered trademarks of those respective companies.

Related Information

- Before You Use Your Brother Machine

Open Source Licensing Remarks

This product includes open source software.

To see the Open Source Licensing Remarks, go to your model's **Manuals** page on the Brother support website at support.brother.com.

Related Information

- Before You Use Your Brother Machine

Important Note

- The contents of this document and the specifications of this product are subject to change without notice.
- Brother reserves the right to make changes without notice in the specifications and materials contained herein and shall not be responsible for any damages (including consequential) caused by reliance on the materials presented, including but not limited to typographical and other errors relating to the publications.
- Screen images in this document may differ depending on your computer's operating system, your product model, and software version.
- Before using the printer, make sure you read all the documents included with the printer for information about safety and operation.
- The printer shown in the illustrations may be different from your printer.
- The available supplies may vary depending on your country.
- We recommend using the latest version of P-touch Editor.

Related Information

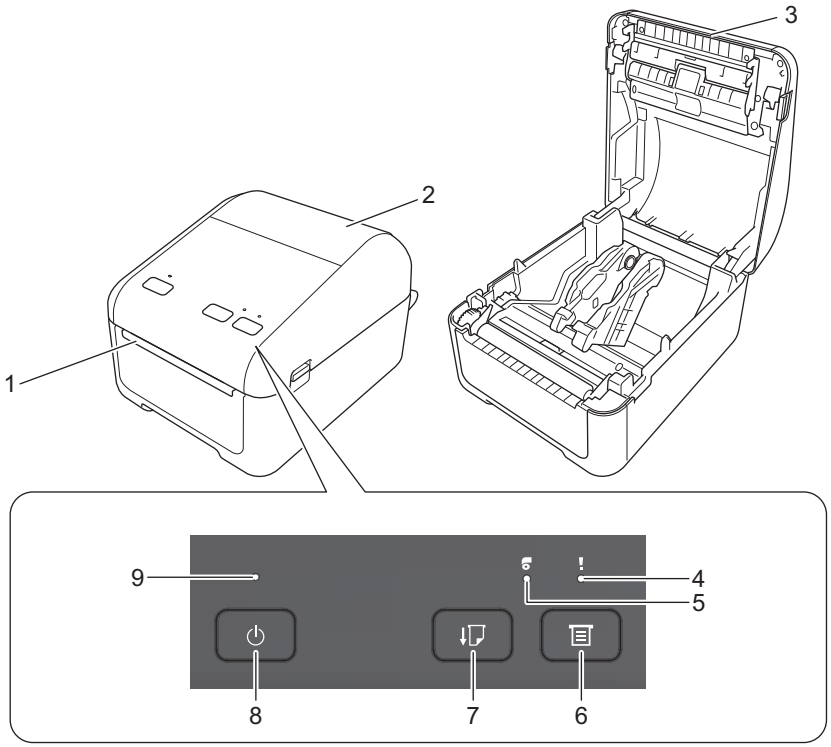
- Before You Use Your Brother Machine

Set Up Your Printer

- Parts Description
- Load the RD Roll
- Check the Sensor Position
- Connect the Power Cord
- Turn Power On/Off

Parts Description

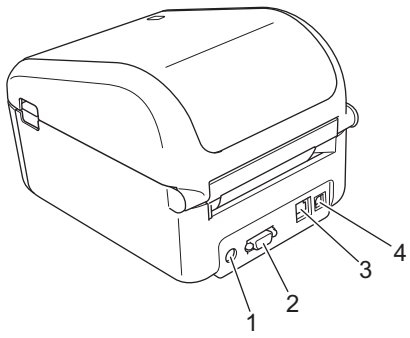
Front



1. Label Output Slot
2. Roll Compartment Cover
3. Tear Bar
4. Status LED
5. Roll LED
6. (Function) Button
7. (Feed) Button
8. (Power) Button
9. Power LED

To pause printing, press any button. Press the button again to resume printing. Printing can be paused only after each full page has been printed and cannot be paused on the final page or between pages.

Rear



1. Power Port

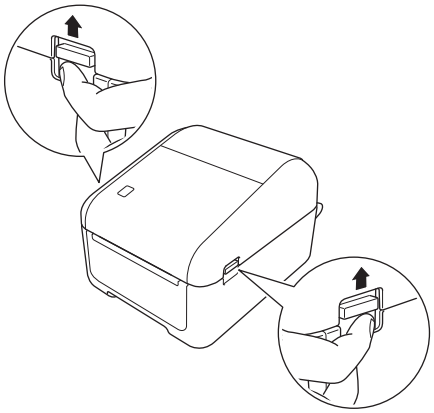
2. Serial Port
3. (TD-4420DN/TD-4520DN) LAN Port
4. USB Port

Related Information

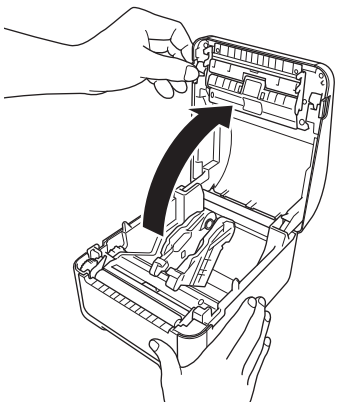
- Set Up Your Printer

Load the RD Roll

1. Press and hold to turn the printer off.
2. Pull up the release levers on both sides of the printer to unlock the Roll Compartment Cover.



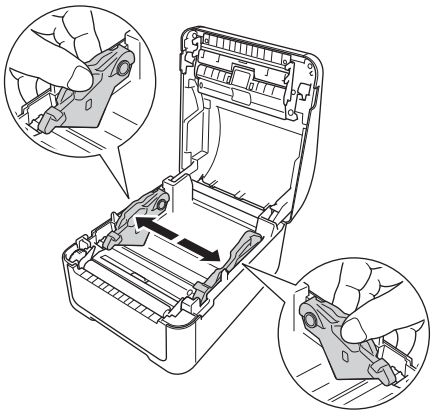
3. Hold the printer by the front, and firmly lift the Roll Compartment Cover to open it.



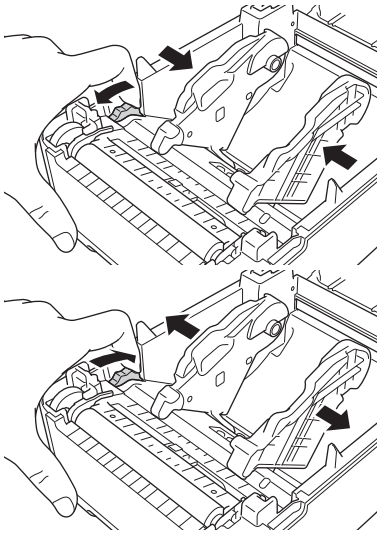
⚠ CAUTION

Do not directly touch the Tear Bar with your hands. Doing so may result in injury.

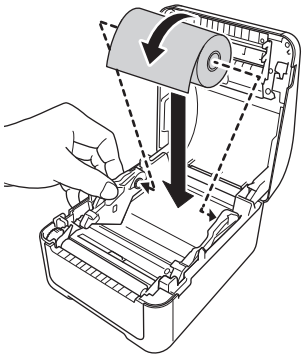
4. Slide both Roll Guides outwards.



Rotate the adjuster dial towards you to lock the Roll Guides into place.

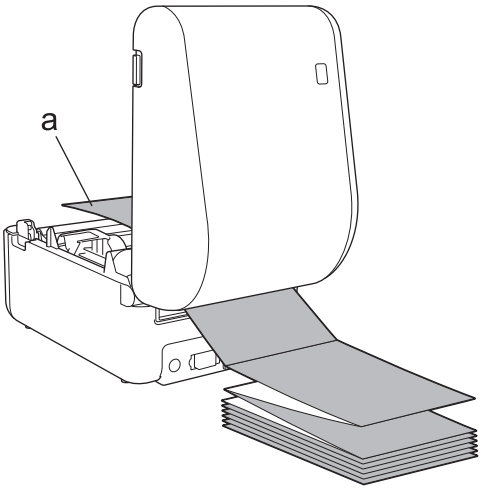


5. Insert the roll so that the label print side is facing up, as shown in the illustration.



- For fanfold paper

  Insert the fanfold paper as shown in the illustration.

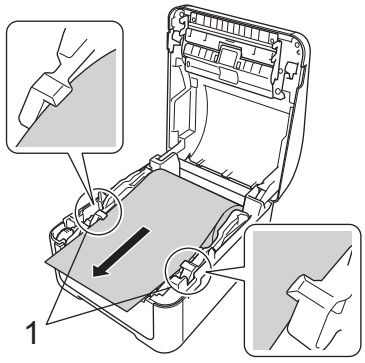


a. Print side

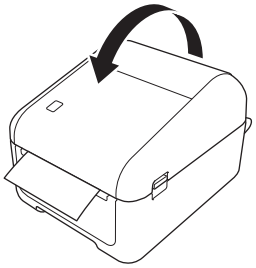
Adjust the Roll Guides when using fanfold paper.

6. Feed the end of the roll under the Media Guide Tips (1).

   Position the end of the paper slightly out of the Label Output Slot.



7. Close the Roll Compartment Cover until it locks into place.



⚠ CAUTION

Be careful when closing the Roll Compartment Cover. There is a risk of injury if your finger gets pinched between the upper and lower parts of the cover.

IMPORTANT

- Do not leave any printed labels in the printer. Doing so will cause label jams.
- When not in use, remove any rolls from inside the printer and close the Roll Compartment Cover to prevent dust and debris from accumulating in the printer.

Related Information

- Set Up Your Printer

Check the Sensor Position

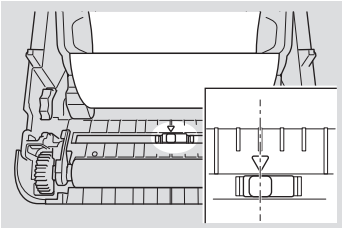
When using RD or other types of rolls, you must check the sensor position based on the type of paper you are using. You can use other types of rolls in addition to the RD Rolls.

>> Die-cut Labels With No Black Mark
>> Die-cut Labels With Black Mark
>> Receipt Paper With No Black Mark
>> Media With a Black Mark
>> Media With Holes
>> Wristband

Die-cut Labels With No Black Mark

The transmissive/gap sensor detects the beginning of the label and feeds the label to the correct position.

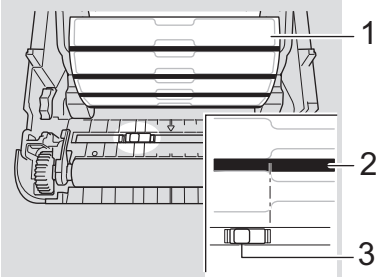
- Align the slider with ▼ on the printer.



Die-cut Labels With Black Mark

The reflective/black mark sensor detects the mark and feeds the media to the correct position.

- Align the slider as shown in the illustration.

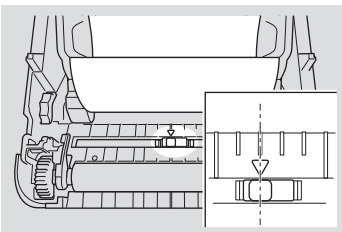


1. Back of media
2. Black mark
3. Reflective/black mark sensor

Receipt Paper With No Black Mark

The reflective/black mark sensor detects if paper roll is finished.

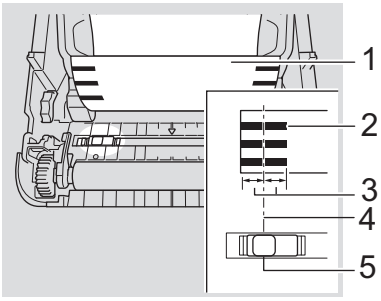
- Align the slider with ▼ on the printer.



Media With a Black Mark

The reflective/black mark sensor detects the mark and feeds the media to the correct position.

- Align the slider with the centre of the black mark on the paper.



1. Back of media
2. Black mark
3. 4 mm or more

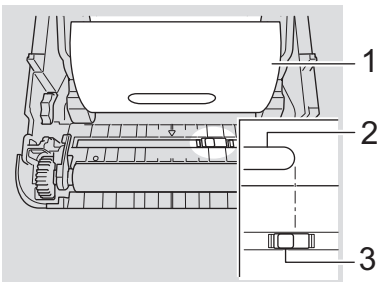
   Make sure there is at least 4 mm on the left and right of the centre of the black mark.
4. Centre of the black mark
5. Reflective/black mark sensor

When using media with the maximum width of 118 mm, make a black mark at least 12 mm long in from either the left or right edge of the paper so that the reflective/black mark sensor can detect the black mark. If the black mark is too short, it cannot be detected by the reflective/black mark sensor.

Media With Holes

The reflective/black mark sensor detects the hole and feeds the media to the correct position.

- Align the slider as shown in the illustration.

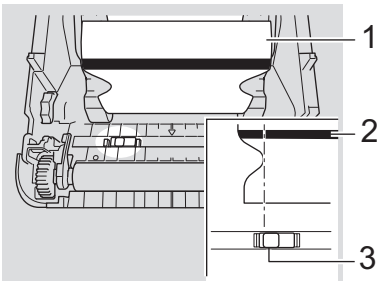


1. Back of media
2. Hole in media
3. Reflective/black mark sensor

Wristband

The reflective/black mark sensor detects the mark and feeds the media to the correct position.

- Align the slider as shown in the illustration.



1. Back of media
2. Black mark
3. Reflective/black mark sensor

Related Information

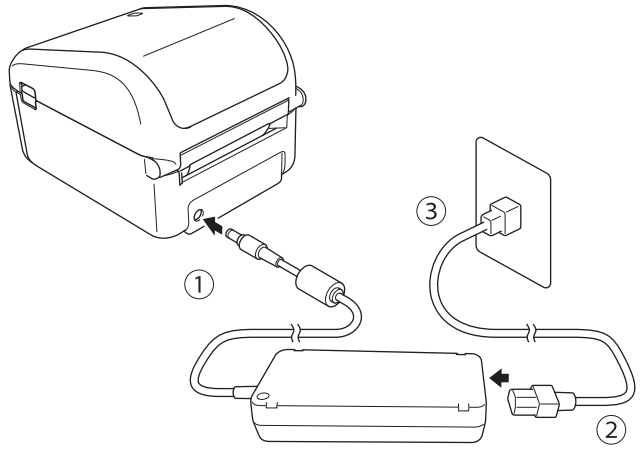
- Set Up Your Printer

Related Topics:

- Auto Media Configuration

Connect the Power Cord

1. Connect the AC Adapter to the printer.
2. Connect the AC Power Cord to the AC Adapter.
3. Plug the AC Power Cord into an earthed electrical socket.



Related Information

- Set Up Your Printer

Turn Power On/Off

- To turn the printer on, press .

Press to align the end of the roll.

The Power LED turns green.

- To turn the printer off, press and hold until the Power LED turns off.

NOTE

When turning the printer off, do not disconnect the AC Adapter and AC Power Cord until the Power LED turns off.

Related Information

- Set Up Your Printer

Install Software

- Install Printer Drivers and Software on a Computer
- Connect the Printer to a Computer

Install Printer Drivers and Software on a Computer

To print from your computer, install the printer drivers, P-touch Editor, and other applications to your computer.

1. Go to install.brother and download the Software/Documentation installer.
2. Double-click the downloaded installer, and follow the on-screen instructions to proceed with the installation.
3. Close the dialog box when the installation is complete.

(TD-4420DN/TD-4520DN)

To use the printer with a different connection method than the one selected during installation, use the installer again to reinstall the software and printer drivers, and select the new connection method.

Related Information

- Install Software
  - Available Applications

Available Applications

Available Applications for Windows

Application	Features
P-touch Editor	Allows you to design and print custom labels using built-in drawing tools to create various font and text styles, import images, and insert barcodes.
P-touch Transfer Manager	Allows you to transfer templates and other data to the printer and save backups of your data on the computer. This application is installed with P-touch Editor.
P-touch Library	Manages and prints P-touch Editor templates. You can use P-touch Library to print templates. This application is installed with P-touch Editor.
P-touch Update Software	Updates software to the latest version.
Printer Setting Tool	Specifies the printer's settings from a computer.
BRAdmin Light (TD-4420DN/ TD-4520DN)	Finds the printer on your network and allows you to configure basic settings from your computer.
BRAdmin Professional (TD-4420DN/ TD-4520DN)	Finds the printer on your network and allows you to configure advanced settings and updates from your computer.
Font Manager	Allows you to transfer fonts to the printer and delete fonts from the printer. Transferred fonts can be accessed and printed using various print commands. • About font usage permission When using fonts, you must abide by all terms and conditions set forth by each rightful font owner. Before downloading fonts, you must confirm that you have legitimate licences to use the fonts and comply with their terms and conditions; otherwise you may not download fonts.

Related Information

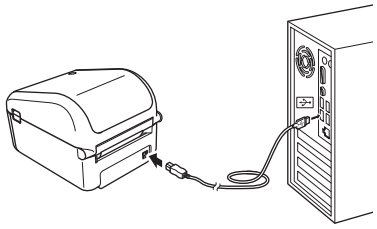
- Install Printer Drivers and Software on a Computer

Connect the Printer to a Computer

- Connect the Printer to a Computer Using a USB Cable
- Connect the Printer to a Computer Using a Wired LAN

Connect the Printer to a Computer Using a USB Cable

1. Make sure the printer is turned off before connecting the USB cable.
2. Connect the USB cable to the USB Port on the back of the printer, and then to your computer.



3. Turn the printer on.

Related Information

- Connect the Printer to a Computer

Connect the Printer to a Computer Using a Wired LAN

Related Models: TD-4420DN/TD-4520DN

To use a static IP address to connect your printer with a wired LAN connection, install the printer drivers and Printer Setting Tool, and then specify the wired LAN connection settings.

Network Cable

Use a straight-through Category 5 (or greater) twisted-pair cable for 10BASE-T or 100BASE-TX Fast Ethernet Network.

IMPORTANT

Do not connect this product to any LAN connection that is subject to overvoltages.

1. If on-screen instructions appear during the installation, make sure the printer is turned off before connecting the LAN cable.
2. Connect the LAN cable to the LAN Port on the back of the printer.
3. Turn the printer on.

Related Information

- Connect the Printer to a Computer

Create Labels and Print Using Computer

- Create Labels Using P-touch Editor (Windows)
- Print Labels Using P-touch Editor (Windows)
- Create Labels and Print without Installing Software and Drivers
- Print Labels Distributed to Multiple Printers to Reduce Printing Time (Windows)
- Print Barcode Labels Using Crop Print (Windows)
- Print Labels Using the Printer Driver (Windows)

Create Labels Using P-touch Editor (Windows)

To use your printer with your computer, install P-touch Editor and the printer driver.

For the latest drivers and software, go to your model's **Downloads** page on the Brother support website at support.brother.com.

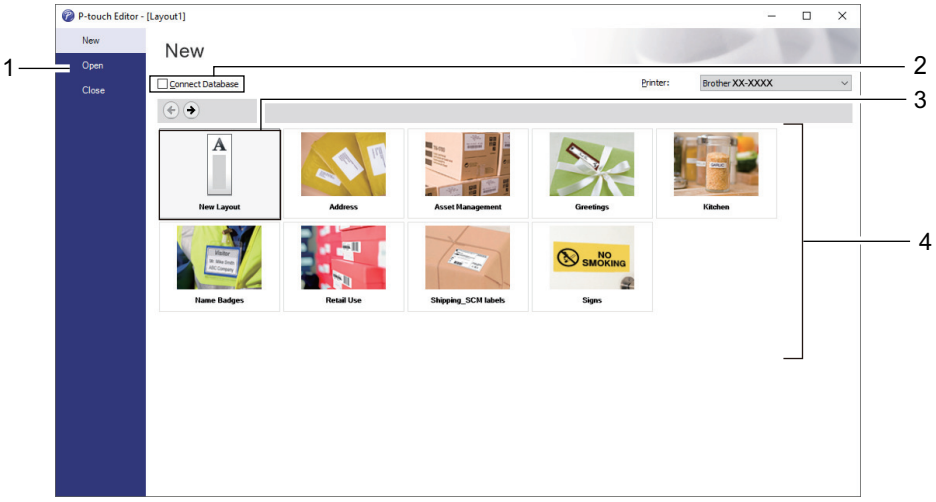
1. Start the P-touch Editor .
   - **Windows 10/Windows Server 2016:**

     Click **Start** > **Brother P-touch** > **P-touch Editor 5.2**, or double-click the **P-touch Editor 5.2** icon on the desktop.
   - **Windows 8/Windows 8.1/Windows Server 2012/Windows Server 2012 R2:**

     Click the **P-touch Editor 5.2** icon on the **Apps** screen, or double-click the **P-touch Editor 5.2** icon on the desktop.
   - **Windows 7/Windows Server 2008/Windows Server 2008 R2:**

     Click **Start** > **All Programs** > **Brother P-touch** > **P-touch Editor 5.2**, or double-click the **P-touch Editor 5.2** icon on the desktop.

   P-touch Editor starts.
2. Do one of the following:
   - To open an existing layout, click **Open** (1).
   - To connect a preset layout to a database, select the check box next to **Connect Database** (2).
   - To create a new layout, double-click the **New Layout** pane (3), or click the **New Layout** pane (3) and then click →.
   - To create a new layout using a preset layout, double-click a category button (4), or select a category button (4) and then click →.



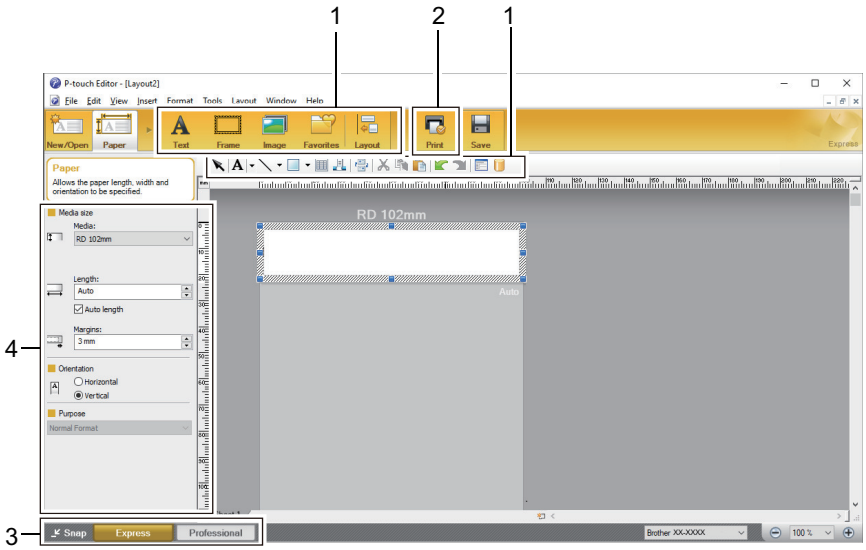
To change how P-touch Editor starts, click **Tools** > **Options** in the P-touch Editor menu bar to display the **Options** dialog box. On the left side, select the **General** heading, and then the setting you want in the **Operations** list box under **Startup Settings**.

Related Information

- Create Labels and Print Using Computer
  - Main Window of P-touch Editor Express Mode (Windows)
  - Main Window of P-touch Editor Professional Mode (Windows)
  - Main Window of P-touch Editor Snap Mode (Windows)

Main Window of P-touch Editor Express Mode (Windows)

Express mode allows you to quickly create layouts including text and images.



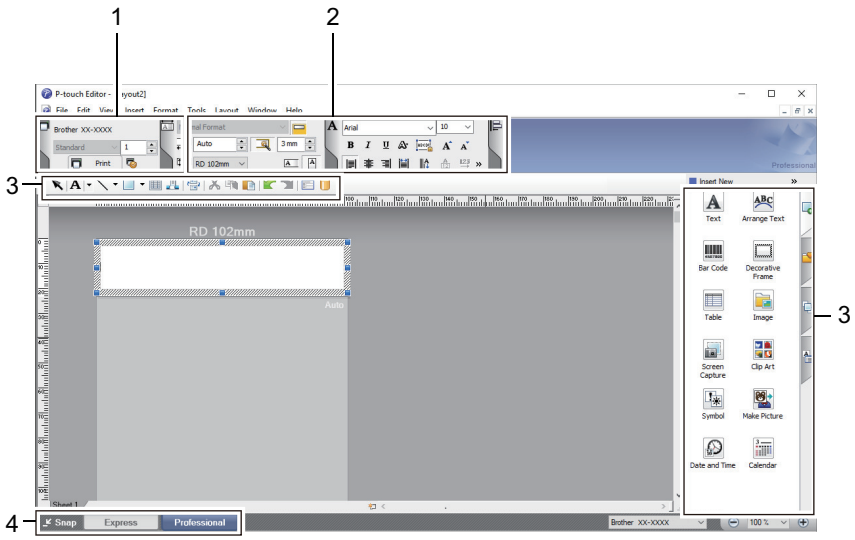
1. Edit Toolbars
2. Print Button
3. Operation Mode Selection Buttons
4. Property Palettes

Related Information

- Create Labels Using P-touch Editor (Windows)

Main Window of P-touch Editor Professional Mode (Windows)

Professional mode allows you to create layouts using a wide-range of advanced tools and options.



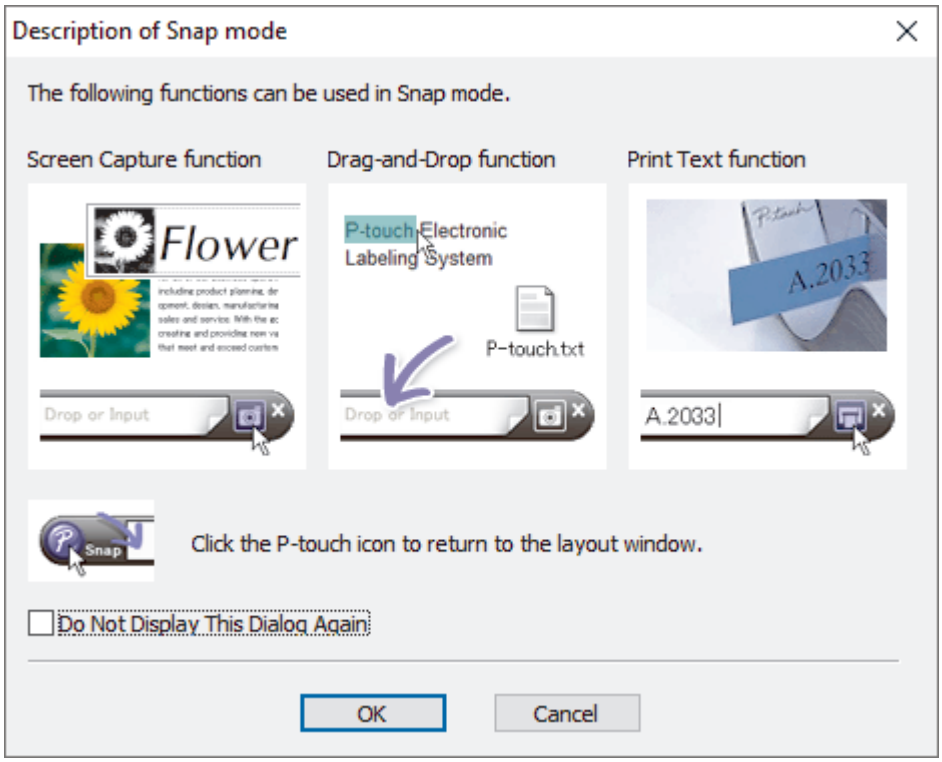
1. Print Menu
2. Property Palettes
3. Edit Toolbars
4. Operation Mode Selection Buttons

Related Information

- Create Labels Using P-touch Editor (Windows)

Main Window of P-touch Editor Snap Mode (Windows)

Snap mode allows you to capture all or a portion of your computer screen display and print it as an image.



Related Information

- Create Labels Using P-touch Editor (Windows)

Print Labels Using P-touch Editor (Windows)

>> Express Mode
>> Professional Mode
>> Snap Mode

Express Mode

Configure the settings in the Print screen before printing.

- Click **File** > **Print** from the menu bar, or click (**Print**).

Professional Mode

Configure the settings in the Print screen before printing.

- Click **File** > **Print** from the menu bar, or click .

Click to start printing without changing the settings.

Snap Mode

- Enter the text, and then click .

Related Information

- Create Labels and Print Using Computer

Create Labels and Print without Installing Software and Drivers

- Print Using USB Interface (Mass Storage Mode)
- Print Image Data without Using the Printer Driver

Print Using USB Interface (Mass Storage Mode)

The mass storage feature allows you to send a file to the printer using the USB interface, without installing a printer driver.

This feature is useful for:

- Applying printer settings saved in a command file (BIN file format) and adding templates (BLF file format) into your printer without using any software tools. Both types of files must be distributed by an administrator.
- Executing commands without installing the printer driver.
- Using a device with an operating system (including non-Windows operating systems) supporting a USB host feature to print and transmit data.

1. Confirm that the printer is turned off.
2. While pressing , press .

   The Power LED lights in green.
3. Connect the computer or mobile device to the printer via USB.

   The printer’s mass storage area appears as a folder on the computer or device's screen.

If the mass storage area does not appear automatically, see the instructions for the operating system of your computer or mobile device for information about accessing the mass storage area.

4. Drag and drop the file you want to copy to the mass storage area.
5. Press .

   The commands in the command file are executed, and the Status LED flashes once in green. When finished, the Power LED lights in green.
6. To turn mass storage mode off, turn the printer off.

NOTE

- When the printer is turned off, mass storage mode is deactivated and any files in the mass storage area are deleted.
- This feature supports only BIN and BLF files.
- Do not create folders in the mass storage area. If a folder is created, files in the folder cannot be accessed.
- The capacity of the mass storage area is 16 MB.
- If multiple files are copied, the commands may not be executed.
- Only USB connection is available while the printer is in mass storage mode.
- Do not access other files in the mass storage area when executing a copied file.

Related Information

- Create Labels and Print without Installing Software and Drivers

Print Image Data without Using the Printer Driver

- The mass storage feature supports the JPEG image printing.
- The printer converts a colour JPEG image to a monochrome image using a dithering process.
- When sending a monochrome JPEG image, the dithering process may produce a fuzzy image.
- To improve the image quality, try to turn any preprocessing of the JPEG image off.

- Only JPEG images can be printed. (Limited to files with the .jpg extension.)
- The maximum file size is 16 MB.
  (2 MB when the mass storage feature is used.)
- The maximum resolution is as follows:
  - TD-4210D/TD-4410D/TD-4420DN
    Height × Width = 24000 × 832 dots
  - TD-4520DN
    Height × Width = 36000 × 1280 dots

  If these limits are exceeded, the data received by the printer is discarded and not printed.
- Print is at 1 pixel = 1 dot.
- The printer performs binary processing (simple binary) to print the image.
- The image is printed with the height-to-width proportions of the received data.

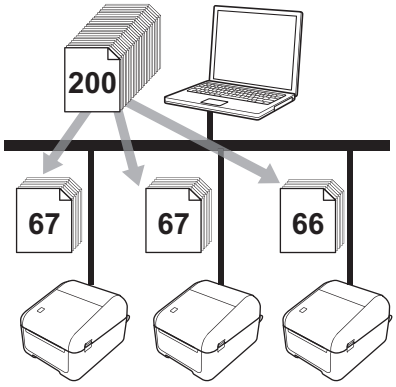
Related Information

- Create Labels and Print without Installing Software and Drivers

Print Labels Distributed to Multiple Printers to Reduce Printing Time (Windows)

When printing a large number of labels, printing can be distributed among multiple printers, via USB or network connection, to reduce printing time.

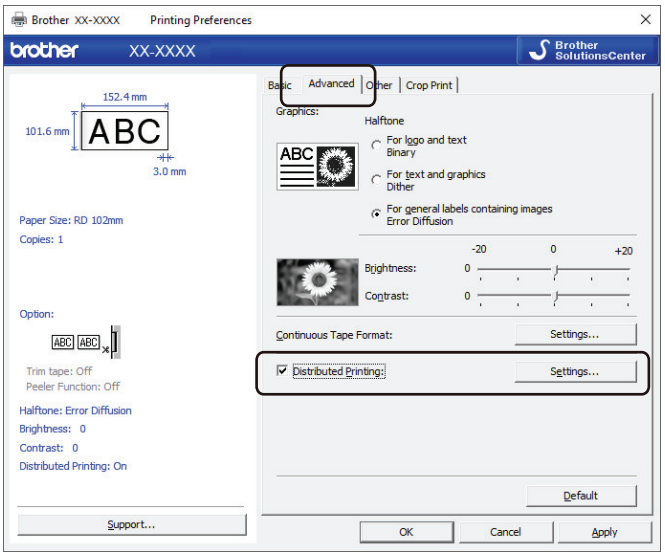
- The Distributed Printing function can only be used with printers of the same model number.
- The number of pages is divided among the selected printers. If the specified number of pages cannot be evenly divided among the printers, it is divided in the order of the printers as shown.



- It may not be possible to detect information for a printer connected via a USB hub or print server. Before printing, enter the settings manually, and check if the printer can be used for printing.
- (TD-4420DN/TD-4520DN)

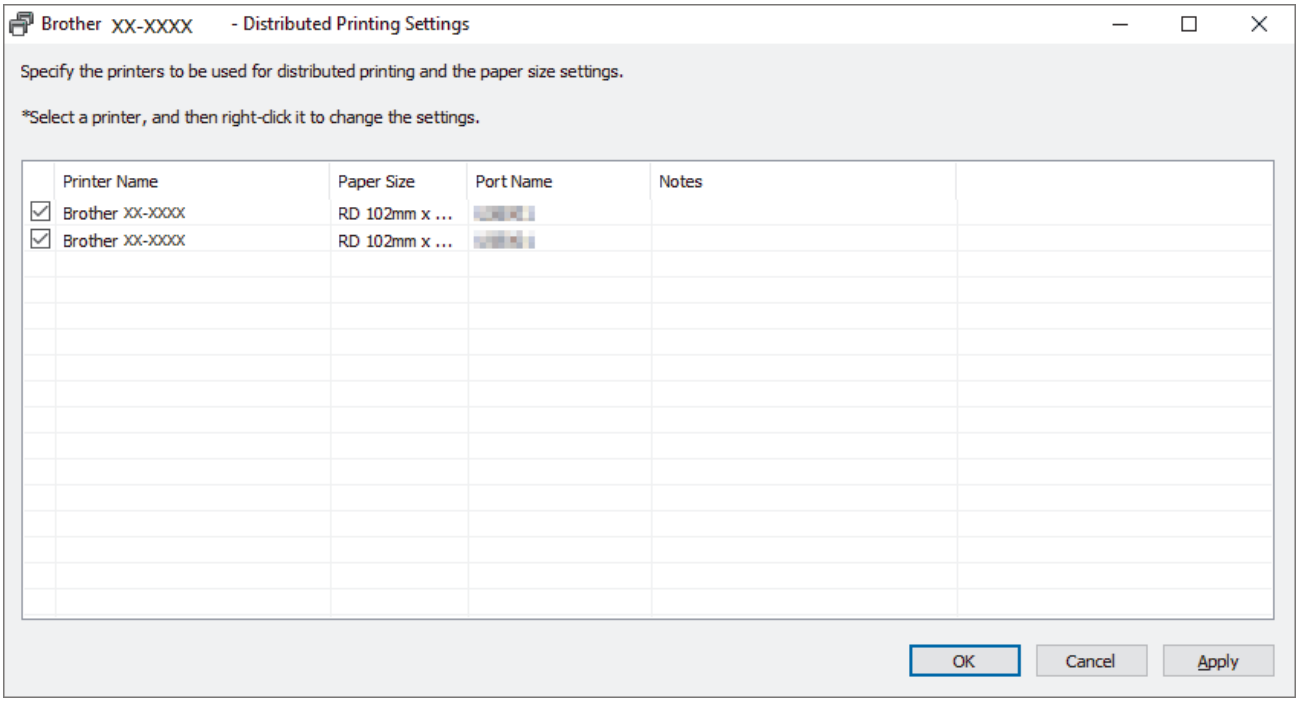
  Depending on whether a router is used and the security features in use, such as a firewall, it may not be possible to use this function.
- We recommend performing a connection test for your operating environment. Contact your information technology manager or administrator for assistance.

1. In P-touch Editor, click **File** > **Print**.
2. Click **Properties**.
3. Click the **Advanced** tab, select the **Distributed Printing** check box, and then click **Settings**.



The **Distributed Printing Settings** dialog box appears.

4. Select the printers you want to use for distributed printing.



(TD-4420DN/TD-4520DN)

If multiple printers are connected, you can find the printer you want using its port name. The xxxxxxxxxxxx in BRNxxxxxxxxxxxx in the port name indicates the MAC address/Ethernet address of the printer. The MAC address/Ethernet address can be checked by printing the printer setup information.

5. Right-click the selected printer or printers, and then click **Settings**. From the **Paper Size** drop-down list, select the label size.

   If multiple printers have been selected, the same label size setting is applied to all selected printers.
6. Click **OK** to close the label size setting dialog box.
7. Click **OK** to close the **Distributed Printing Settings** dialog box.

   The setup is completed.
8. Click **OK** to close the **Properties** dialog box.
9. Start printing.

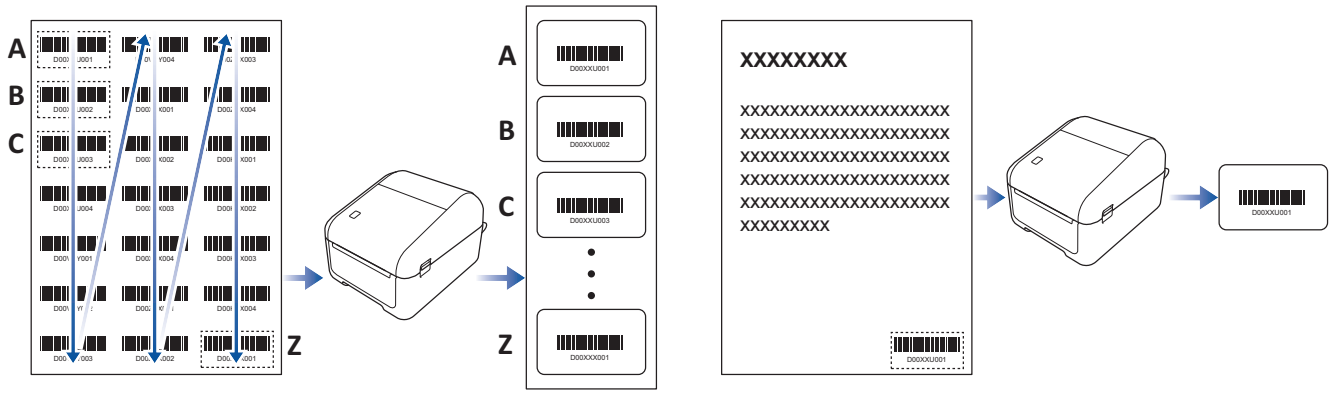
Related Information

- Create Labels and Print Using Computer

Print Barcode Labels Using Crop Print (Windows)

Related Models: TD-4520DN

You can print one or multiple barcodes from an A4 or Letter size PDF file. The Crop Print feature automatically identifies and then individually crops and prints the barcodes you specify.



- The Crop Print function is available only when printing from the Windows printer driver, and cannot be executed using P-touch Editor.
- The accuracy of the Crop Print feature depends on the user's environment, printing material, and label content.

  Clear, black-and-white barcodes are recommended.

  Some labels may not print correctly or may differ from the original data if the conditions are not optimal.

  For more information, visit the Brother support website at support.brother.com.

Related Information

- Create Labels and Print Using Computer
  - Barcodes Compatible with Crop Print (Windows)
  - Barcode Document Compatible with Crop Print (Windows)
  - Print Barcode Labels Using Crop Print (Windows)

Barcodes Compatible with Crop Print (Windows)

Related Models: TD-4520DN

Barcode Specification

Property	Specification
Vertical width	5 mm (minimum)
Horizontal width	The narrowest bar: 0.5 mm (minimum)
Margin	10 times the narrowest bar width (minimum)
Colour	Black
Background colour	White
Cell width (widest bar)	0.5 mm (minimum)

- Code 39/ Code 3 of 9
- ITF/ ITF-14/ Interleaved 2 of 5
- GS1-128 (UCC/ EAN-128)
- Codabar (Code 2 of 7, NW-7)
- CODE 93
- CODE 128
- UPC-A
- UPC-E
- JAN-8/ EAN-8
- JAN-13/ EAN-13
- QR code [1]
- Datamatrix / GS1 Datamatrix [1]
- PDF417 [1]
- MaxiCode [1]

Related Information

- Print Barcode Labels Using Crop Print (Windows)

1 available for shipping labels

Barcode Document Compatible with Crop Print (Windows)

Related Models: TD-4520DN

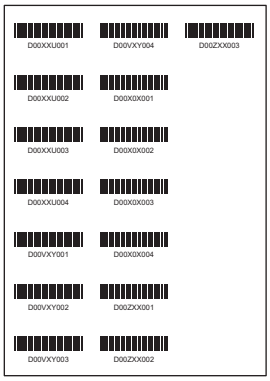
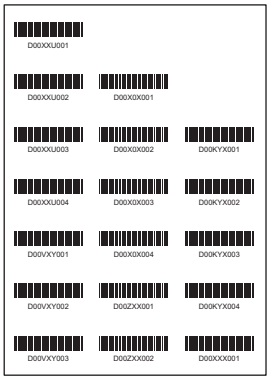
To use the Crop Print function, create a barcode document and save it as a PDF file.

Make sure the final barcode PDF meets the following requirements:

Barcode Conditions for Product Labels

Item	Condition
Total barcode number	Between 1-99 barcodes
Barcode type	Use only barcodes compatible with the Crop Print feature.
Barcode position	Make sure barcodes are not tilted or on an angle. They must be parallel with the top and bottom of each page. Make sure barcodes start in the top left corner and run down the column, continuing at the top of the next column to the right.

Barcode Layout for Product Labels

Correct Barcode Layout	Incorrect Barcode Layout
	Not identified (not aligned along the top margin) 

Barcode Conditions for Shipping Labels

Item	Condition
Total barcode number	Between 1-9 barcodes
Barcode type	Use only barcodes compatible with the Crop Print feature.
Barcode position	Make sure barcodes are straight.

Barcode Layout for Shipping Labels

Cropping is performed when any of the following conditions are satisfied:

- The label is surrounded by ruled lines.
- The label includes horizontal lines that extend the entire width of the label.
- The label includes vertical lines that extend the full height of the label.

Correct Barcode Layout

Related Information

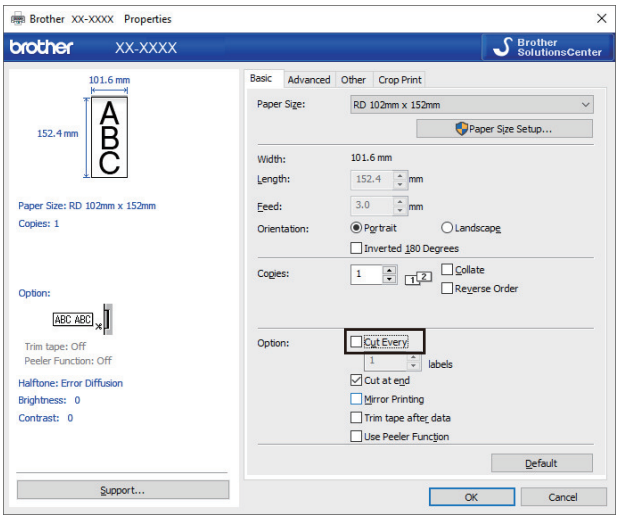
- Print Barcode Labels Using Crop Print (Windows)

Print Barcode Labels Using Crop Print (Windows)

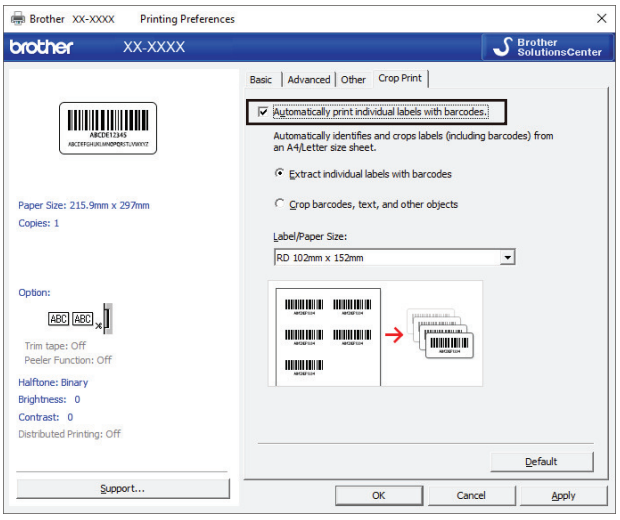
Related Models: TD-4520DN

Make sure your printer is connected to a computer or mobile device via a USB cable or network connection.

1. Open the barcode document PDF file you want to print.
2. Click **File** > **Print**.
3. Click the **Printer** drop-down list, and then select your printer.
4. In the **Page Sizing & Handling** section, select the **Actual Size** radio button.
5. Under **Orientation**, select the **Portrait** radio button.
6. Click **Properties**.
7. Click the **Basic** tab, and do one of the following:
   - For Die-cut labels, clear the **Cut Every** check box.
   - For Continuous Rolls, select the **Cut Every** check box.



8. Click the **Crop Print** tab, and select the **Automatically print individual labels with barcodes.** check box.



9. Select the **Extract individual labels with barcodes** option for product labels or select the **Crop barcodes, text, and other objects** option for shipping labels.
10. Click the **Label/Paper Size** drop-down list, and then select your label or paper size.

    If you select the **Crop barcodes, text, and other objects** option, only 102 mm width paper is listed.

Select the closest label size to match the original size of the crop data. We recommend testing a sample before printing a large number of labels.

11. Click **OK**.
12. Print from the application's print screen.

- Do not enlarge or reduce the size of the barcode sheet. The barcodes may not be identified correctly.
- When printing from Acrobat Reader, do the following:
  - In the **Page Sizing & Handling** section, clear the **Choose paper source by PDF page size** check box.
  - Under **Orientation**, select the **Portrait** radio button.

Related Information

- Print Barcode Labels Using Crop Print (Windows)

Print Labels Using the Printer Driver (Windows)

1. Connect the printer to a computer.
2. Open the document you want to print.
3. Select the print command in your application.
4. Select your printer, and then click the printing properties or preferences button.

   The printer driver window appears.
5. Change the printer settings, if needed.
6. Click **OK**.
7. Complete your print operation.

   The printer starts printing. When printing is finished, the printer reverts to the mode selected before printing started.

Related Information

- Create Labels and Print Using Computer

Print Labels Using Mobile Devices

- Install Mobile Apps

Install Mobile Apps

You can use your printer as a standalone printer or connect it to a mobile device. To create and print labels directly from your mobile device, install the Brother mobile applications, and then connect your printer to your mobile device via a USB cable. The cable is sold separately.

- Download these free Brother apps from Google Play:

Application	Features
Print SDK	Download the Software Development Kit (SDK) from the Brother Developer Center (https://support.brother.com/g/s/es/dev/en/index.html).

Related Information

- Print Labels Using Mobile Devices

Transfer Templates to the Printer (P-touch Transfer Manager) (Windows)

- Transfer Templates to the Printer Using P-touch Transfer Manager (Windows)
- Distribute Templates to be Transferred to Users Without Using P-touch Transfer Manager (Windows)

Transfer Templates to the Printer Using P-touch Transfer Manager (Windows)

- Notes on Using P-touch Transfer Manager (Windows)
- Transfer Templates from the Computer to the Printer (Windows)
- Backup Templates or Other Data Saved in the Printer (Windows)
- Delete Printer Data (Windows)
- Create Transfer Files and Transfer Package Files (Windows)

Notes on Using P-touch Transfer Manager (Windows)

Because some P-touch Editor functions are not available with the printer, keep the following points in mind when using P-touch Editor to create templates.

You can check a preview of the printed template before the created template is transferred to the printer.

Notes on Creating Templates

- Some of the text in the template transferred to the printer may be printed using similar fonts and character sizes loaded in the printer. As a result, the printed label may differ from the image of the template created in P-touch Editor.
- Depending on the text object setting, the character size may be automatically reduced or some of the text may not be printed. If this occurs, change the text object setting.
- Although character styles can be applied to individual characters with P-touch Editor, styles can be applied to a block of text only with the printer. In addition, some character styles are not available on the printer.
- Backgrounds specified with P-touch Editor are not compatible with the printer.
- A P-touch Editor layout using the split printing function (enlarging the label and printing it on two or more labels) cannot be transferred.
- Only the portion of the label within the printable area is printed.
- Fields overflowing the print area may not be printed completely.

Notes on Transferring Templates

- The printed label may differ from the image appearing in the preview area of P-touch Transfer Manager.
- If a 2-dimensional barcode not loaded on the printer is transferred to the printer, the barcode is converted into an image. The image of the converted barcode cannot be edited.
- All transferred objects that cannot be edited by the printer are converted into images.
- Grouped objects are converted into a single bitmap.

Notes on Transferring Data Other Than Templates

- If the number or order of fields in a database is changed and only the database (CSV file) is transferred to update it, the database may not link correctly with the template. In addition, the first line of data in the transferred file must be recognised by the printer as "field names".
- Logos, symbols, and graphics downloaded to the printer are automatically scaled to the resident font or any of the resident symbols in the library.

Related Information

- Transfer Templates to the Printer Using P-touch Transfer Manager (Windows)

Transfer Templates from the Computer to the Printer (Windows)

You can transfer templates and other data to the printer and save backups of your data on the computer.

To use P-touch Transfer Manager, you must first transfer templates created in P-touch Editor to P-touch Transfer Manager.

Related Information

- Transfer Templates to the Printer Using P-touch Transfer Manager (Windows)
  - Transfer the Template to P-touch Transfer Manager (Windows)
  - Main Window of P-touch Transfer Manager (Windows)
  - Transfer Templates or Other Data from the Computer to the Printer (Windows)

Transfer the Template to P-touch Transfer Manager (Windows)

1. Start the P-touch Editor .
   - **Windows 10/Windows Server 2016:**

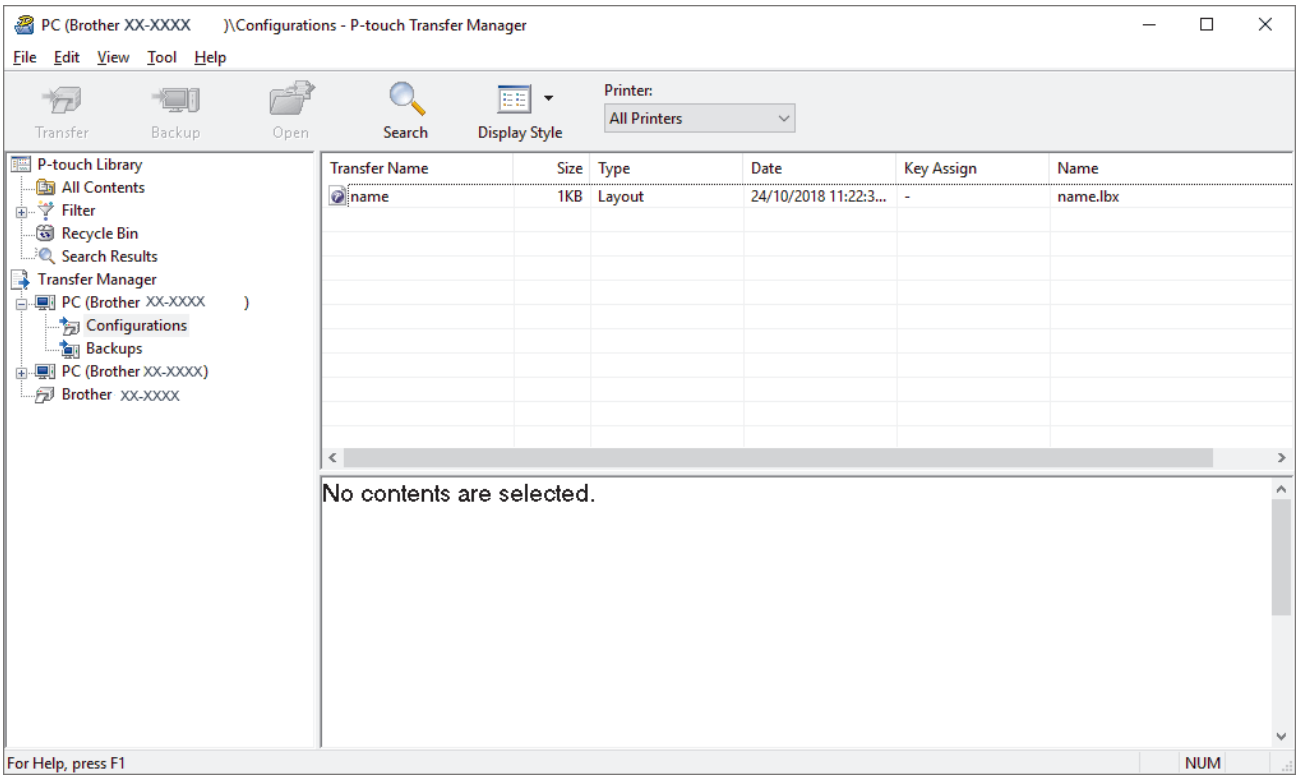
     Click **Start** > **Brother P-touch** > **P-touch Editor 5.2**, or double-click the **P-touch Editor 5.2** icon on the desktop.
   - **Windows 8/Windows 8.1/Windows Server 2012/Windows Server 2012 R2:**

     Click the **P-touch Editor 5.2** icon on the **Apps** screen, or double-click the **P-touch Editor 5.2** icon on the desktop.
   - **Windows 7/Windows Server 2008/Windows Server 2008 R2:**

     Click **Start** > **All Programs** > **Brother P-touch** > **P-touch Editor 5.2**, or double-click the **P-touch Editor 5.2** icon on the desktop.

   P-touch Editor starts.
2. Open the template you want or create a label layout.
3. Click **File** > **Transfer Template** > **Transfer**.

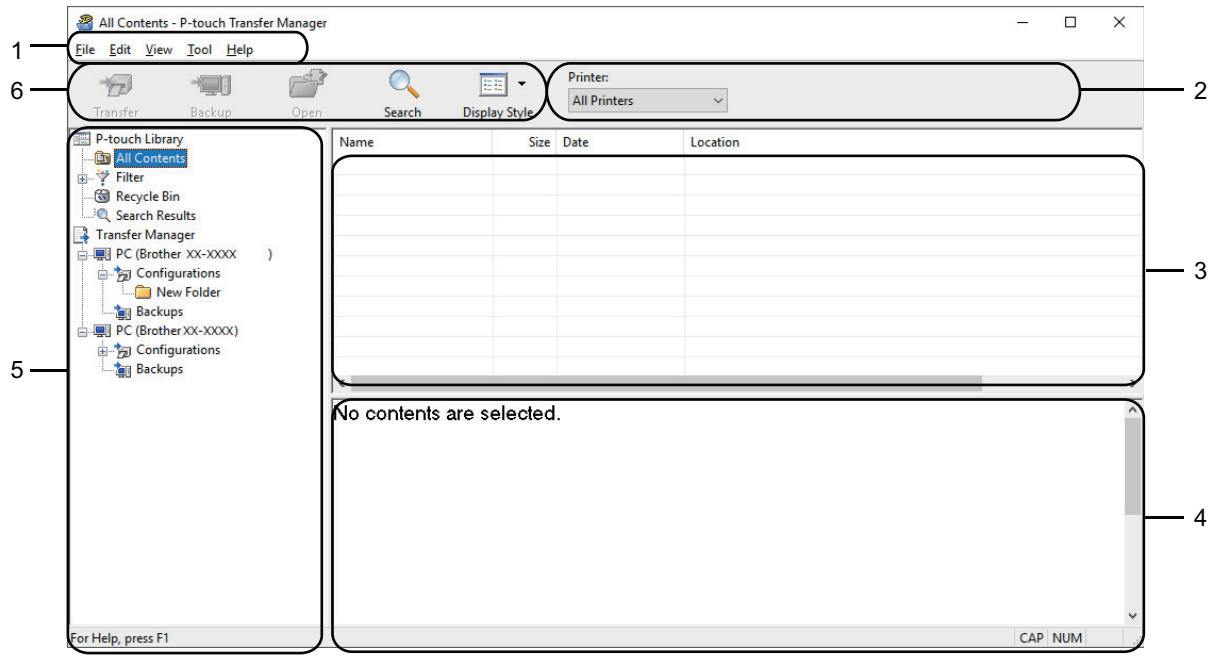
   The P-touch Transfer Manager window appears. A template is transferred to the **Configurations** folder.



Related Information

- Transfer Templates from the Computer to the Printer (Windows)

Main Window of P-touch Transfer Manager (Windows)



1. **Menu Bar**

   Provides access to various commands grouped under each menu title (the **File**, **Edit**, **View**, **Tool**, and **Help** menus) according to their functions.

2. **Printer Selector**

   Allows you to select a printer to transfer the data to. When you select a printer, only the data that can be sent to the selected printer appears in the data list.

3. **Template List**

   Displays a list of templates in the selected folder.

4. **Preview**

   Displays a preview of the templates in the templates list.

5. **Folder List**

   Displays a list of folders and printers. When you select a folder, the templates in the selected folder appear in the template list. If you select a printer, the current templates and other data stored in the printer appear.

6. **Toolbar**

   Provides access to frequently used commands.

Explanations of the Toolbar Icons

Icon	Button name	Function
	Transfer	Transfers templates and other data from the computer to the printer.
	Save Transfer File (When not connected to a printer)	Changes the file type of the data to be transferred to other applications. Select **BLF** for the filename extension when printing labels using Mass Storage Mode (USB), or when transferring the data using BRAdmin Professional (LAN). Select **PDZ** when transferring the data using Transfer Express (USB). The available interfaces differ depending on your model.
	Backup	Retrieves the templates and other data saved in the printer and saves it on the computer.

Icon	Button name	Function
	Open	Opens the selected template.
	Search	Allows you to search for templates or other data registered to P-touch Library.
	Display Style	Changes the file display style.

Related Information

- Transfer Templates from the Computer to the Printer (Windows)

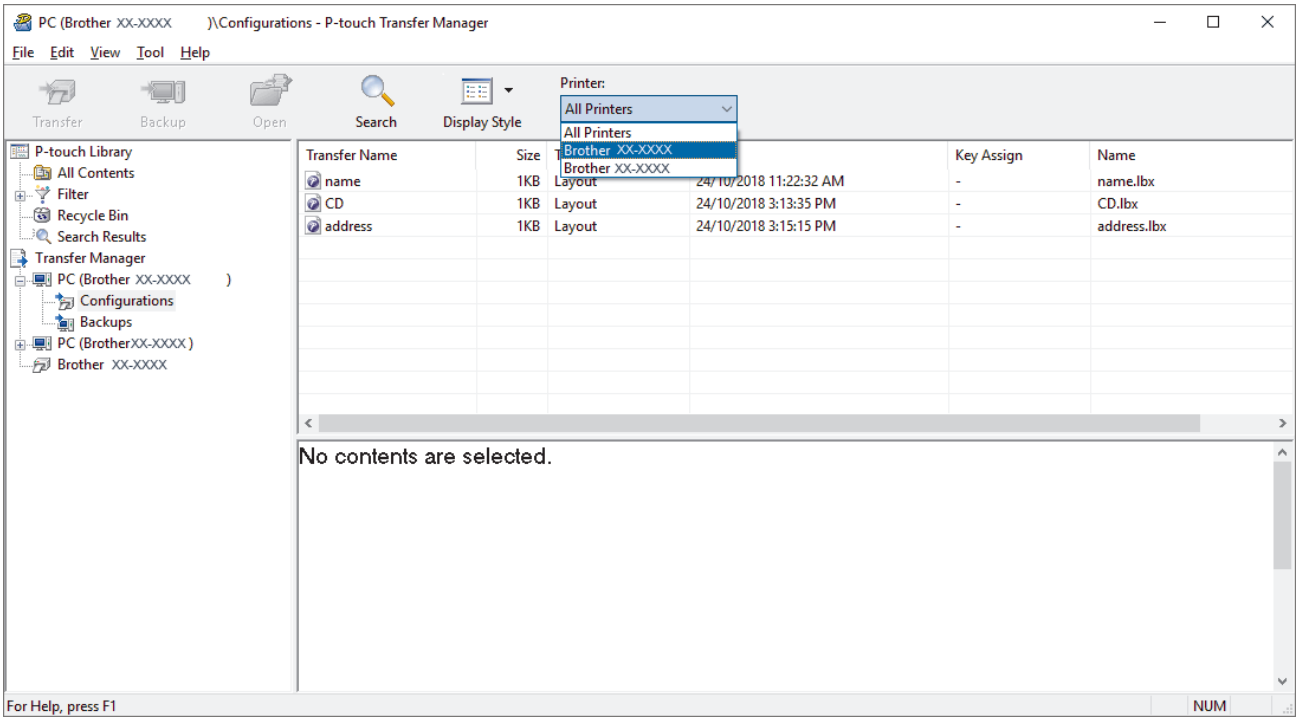
Transfer Templates or Other Data from the Computer to the Printer (Windows)

You can transfer templates, databases, and images from the computer to the printer.

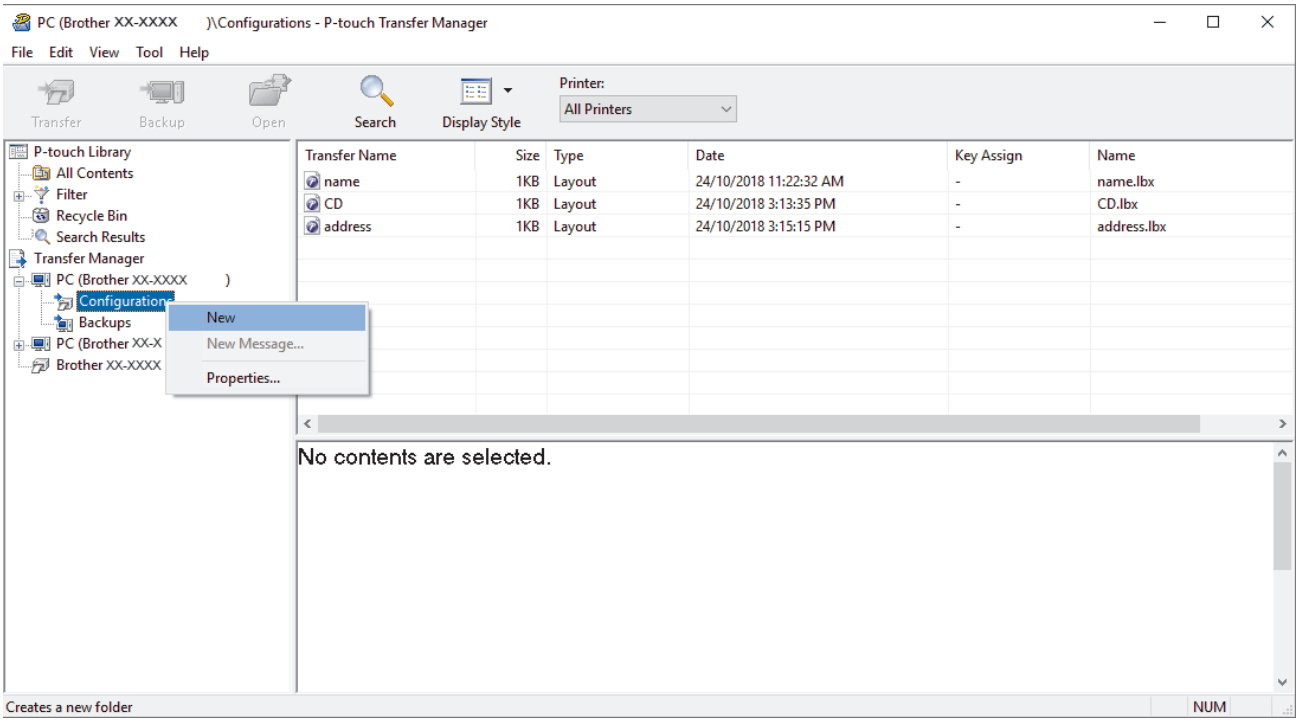
To transfer templates from a mobile device to the printer, see *Related Information*.

1. Connect the printer and the computer via a USB cable, and then turn the printer on.
   The printer model name appears next to a printer icon in the folder view.
   If you select the printer in the folder view, the current templates and other data stored in the printer appear.

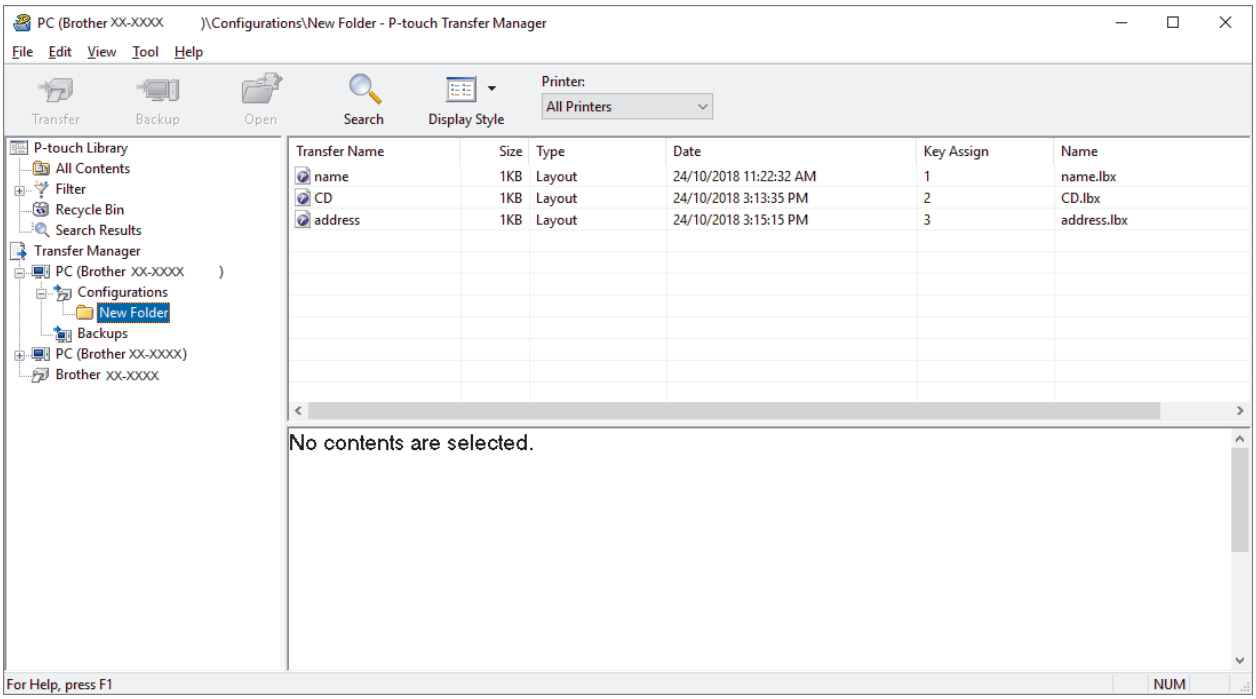
   If a printer is disconnected or offline, it does not appear in the folder view.
2. Select the printer you want to transfer the template or other data to.



3. Right-click the **Configurations** folder, select **New**, and then create a new folder.



4. Do one of the following:
   - Drag the template or other data you want to transfer and place it in the new folder.
   - To transfer multiple templates or other data, drag the files you want to transfer, and then place them in the new folder. Each file is assigned a key number (memory location in the printer) when it is placed in the new folder.

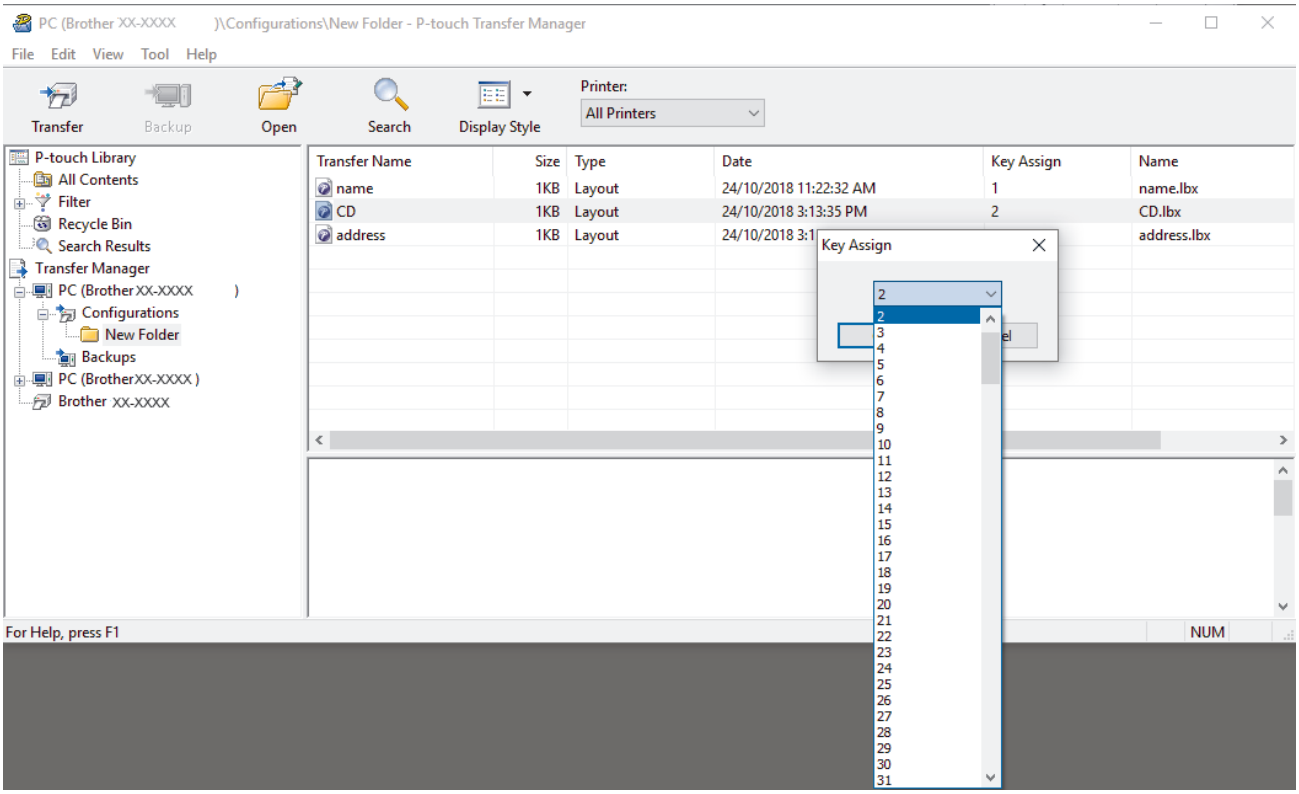


Data type	Maximum number of transferable items	Restriction details
Template	255	Each template can contain a maximum of 255 objects.
Database	255	• Only CSV files can be transferred. • Each CSV file can contain a maximum of 65000 records.
Image (transferred symbols)	255	• Only BMP files can be transferred. • Monochrome BMP files are recommended. • The size limit is 2560 x 2560 pixels.

Data type	Maximum number of transferable items	Restriction details
		• Wide images may be cropped.

- You can confirm the available space in the transfer file memory by printing the Printer Setting Report. See **Available memory** in the report for the available space. The available space appearing in **Available memory: ****B** may be different from the actual available space.
- You can view the templates and other data by selecting:
  - The folder in the **Configurations** folder
  - **All Contents**
  - One of the categories under **Filter**, such as **Layouts**

5. To change the key number assigned to an item, right-click the item, select the **Key Assign** menu, and then select the key number you want.

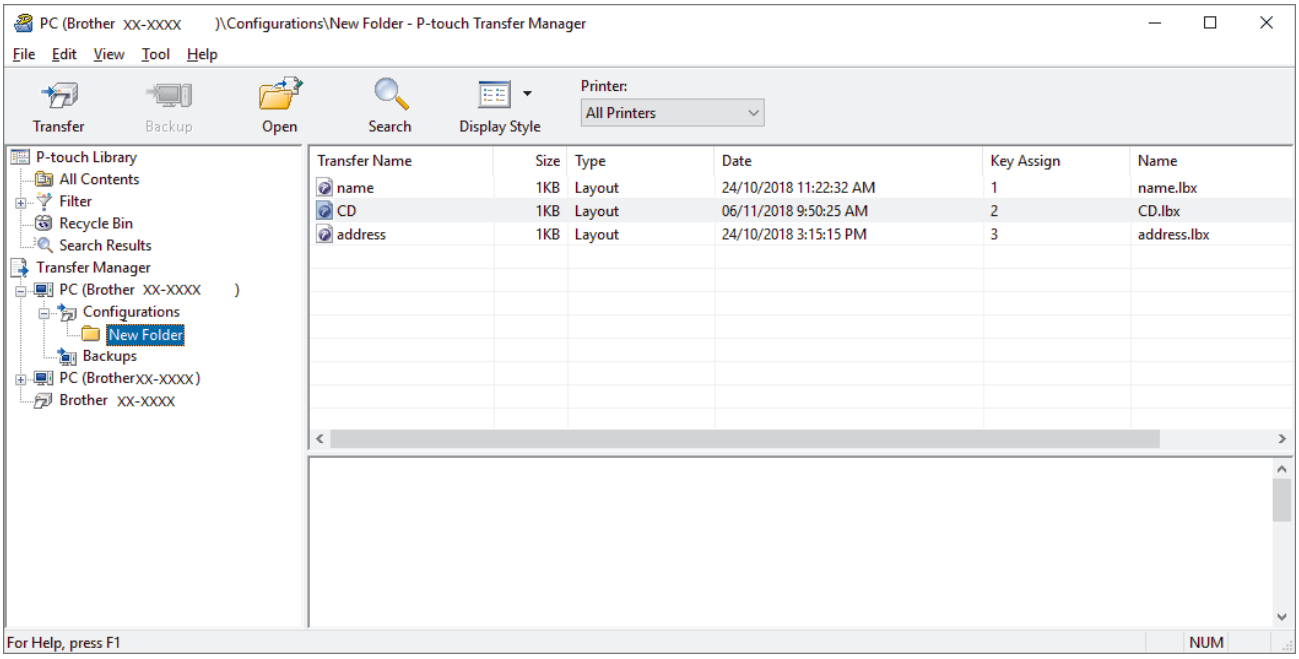


- Except for the data in databases, all data transferred to the printer is assigned a key number.
- If the template or other data transferred to the printer has the same key number as another template already saved in the printer, the new template overwrites the old one. You can confirm the assigned template numbers saved in the printer by backing up the templates or other data.
- If the printer memory is full, remove one or more templates from the printer's memory.

6. To change the template names or other data you want to transfer, click the item you want, and then type the new name.

   The number of characters used for the template names may be limited depending on the printer model.

7. Select the folder containing the templates or other data you want to transfer, and then click **Transfer**.



A confirmation message appears.

- You can also transfer individual items to the printer without adding them to a folder. Select the template or other data you want to transfer, and then click **Transfer**.
- Multiple items and folders can be selected and transferred in one operation.

8. Click **OK**.

   The selected items are transferred to the printer.

Related Information

- Transfer Templates from the Computer to the Printer (Windows)

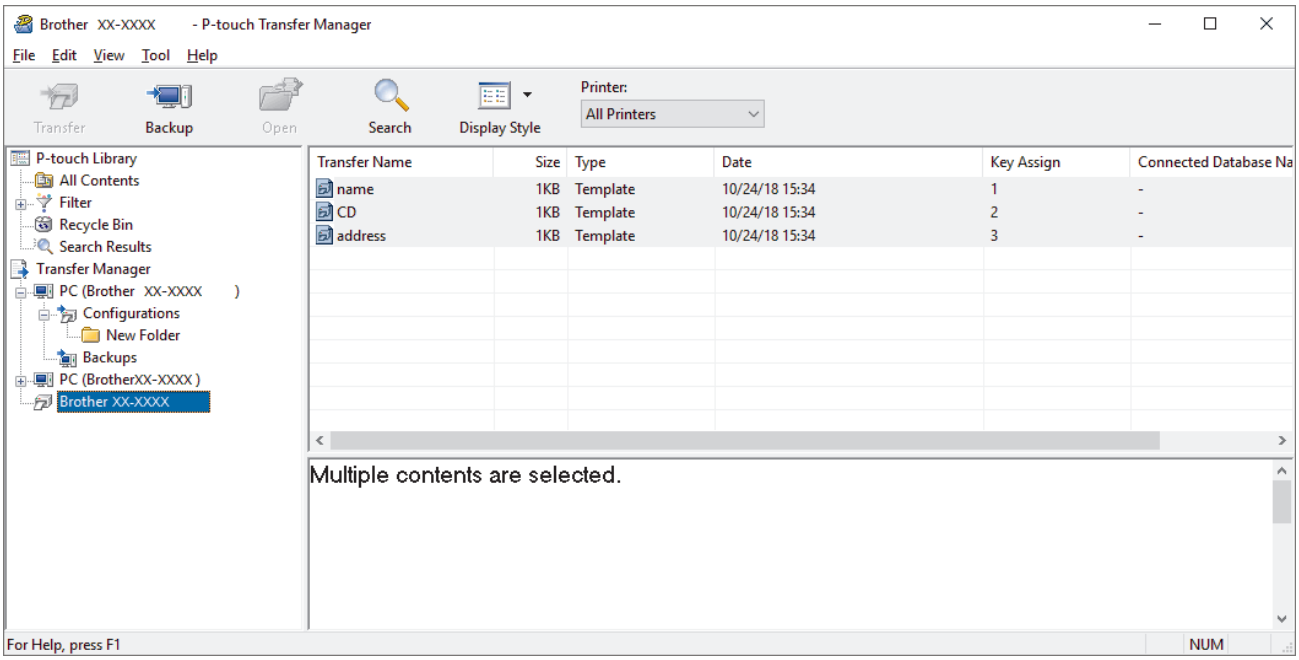
Backup Templates or Other Data Saved in the Printer (Windows)

You can retrieve templates or other data saved in the printer and save it on the computer.

- Backed up templates or other data cannot be edited on the computer.
- Depending on the printer model, backed up templates or data may not be transferable between different models.

1. Connect the computer and the printer and turn the printer on.

   The printer model name appears next to a printer icon in the folder view. If you select the printer in the folder view, the current templates and other data stored in the printer appear.
2. Select the printer to back up from, and then click **Backup**.



   A confirmation message appears.
3. Click **OK**.

   A new folder is created under the printer in the folder view. The folder name is based on the date and time of the backup. All of the printer's templates and other data are transferred to the new folder and saved on the computer.

Related Information

- Transfer Templates to the Printer Using P-touch Transfer Manager (Windows)

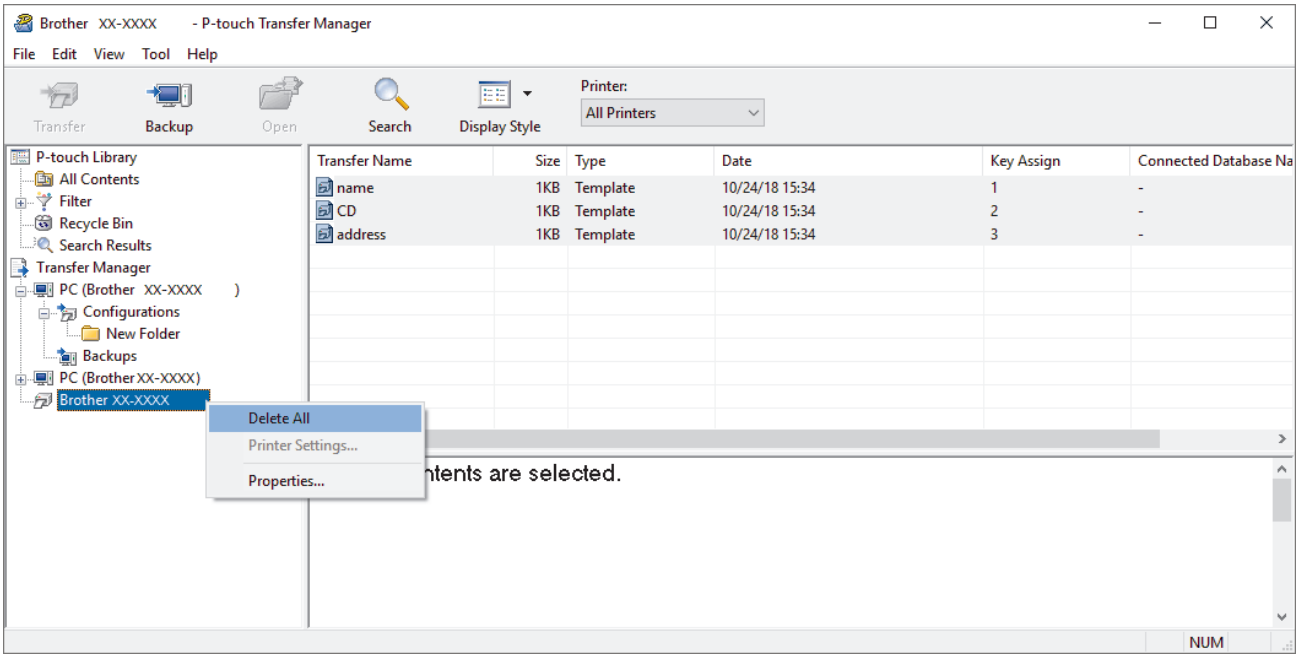
Delete Printer Data (Windows)

You can delete all templates or other data saved on the printer.

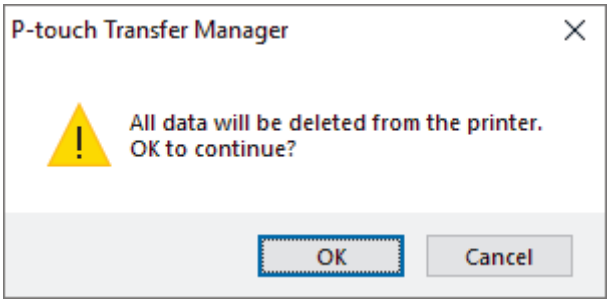
1. Connect the computer and the printer and turn the printer on.

   The printer model name appears next to a printer icon in the folder view.

2. Right-click the printer, and then select the **Delete All** menu.



   A confirmation message appears.



3. Click **OK**.

   All templates and other data saved in the printer is deleted.

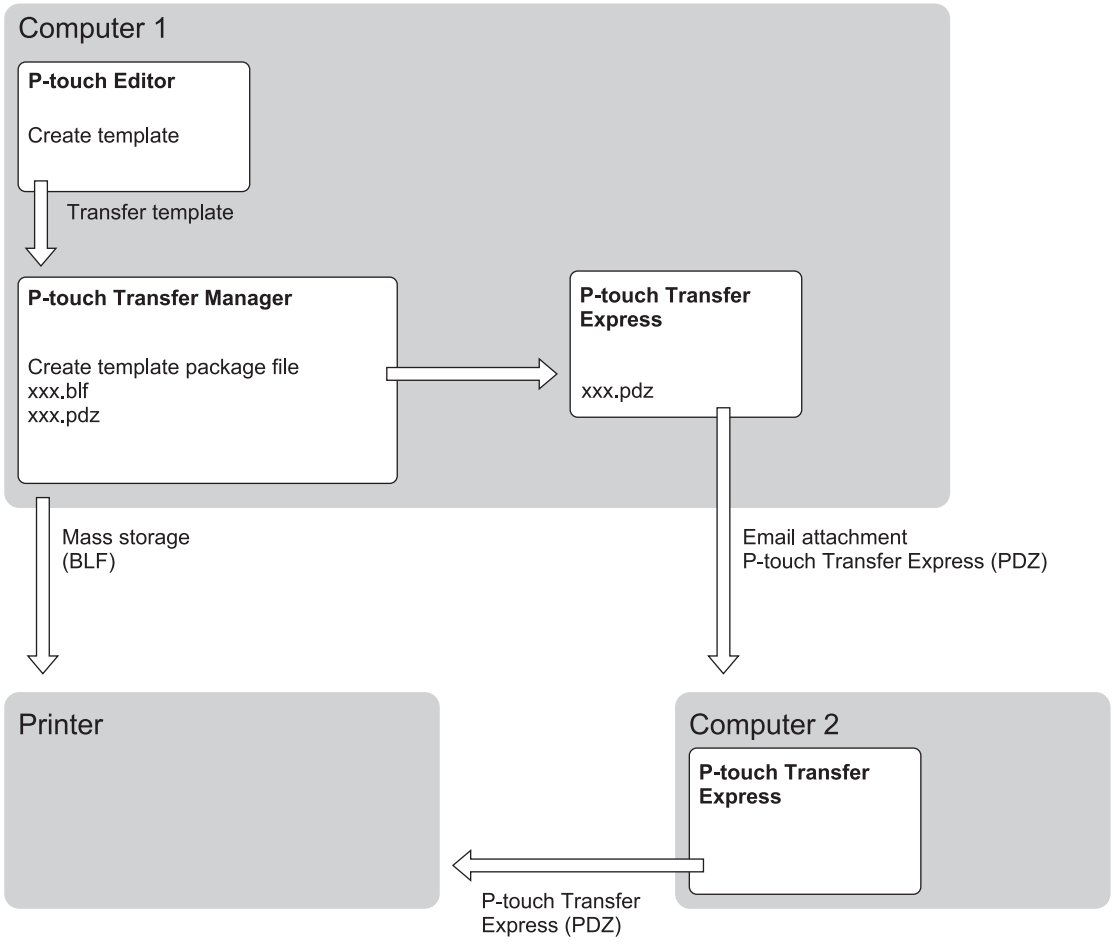
Related Information

- Transfer Templates to the Printer Using P-touch Transfer Manager (Windows)

Create Transfer Files and Transfer Package Files (Windows)

Use P-touch Transfer Manager to save template data created using P-touch Editor in the BLF or PDZ format, and transfer these files in this format to a printer over a network, from a computer or mobile device.

You can also print files in the BLF format using mass storage mode.



Template Transfer Method		File Format
From a computer	P-touch Transfer Express	PDZ
	Mass storage	BLF

1. Create the template using P-touch Editor, and then transfer it to P-touch Transfer Manager.

- For more information, see *Related Information*.
- When transferring a new template, make sure you specify a Key Assign number (in P-touch Transfer Manager) that is not currently used. If the specified Key Assign number is already being used, the existing template will be overwritten with the new one.

2. Without connecting the printer to the computer, select the **Configurations** folder in the P-touch Transfer Manager window, and then select the template to save.

You can select multiple templates at the same time.

3. Click **File** > **Save Transfer File**.

NOTE

The **Save Transfer File** button appears when the printer is disconnected from the computer or offline.

- If you click the **Save Transfer File** button after selecting **Configurations**, all templates in the folder are saved as the Transfer file (BLF) or Transfer Package file (PDZ).
- You can combine multiple templates into a single Transfer file (BLF) or Transfer Package file (PDZ).

4. In the **Save as type** field, select the template format you want, and then type in the name and save the template.

Related Information

- Transfer Templates to the Printer Using P-touch Transfer Manager (Windows)

Related Topics:

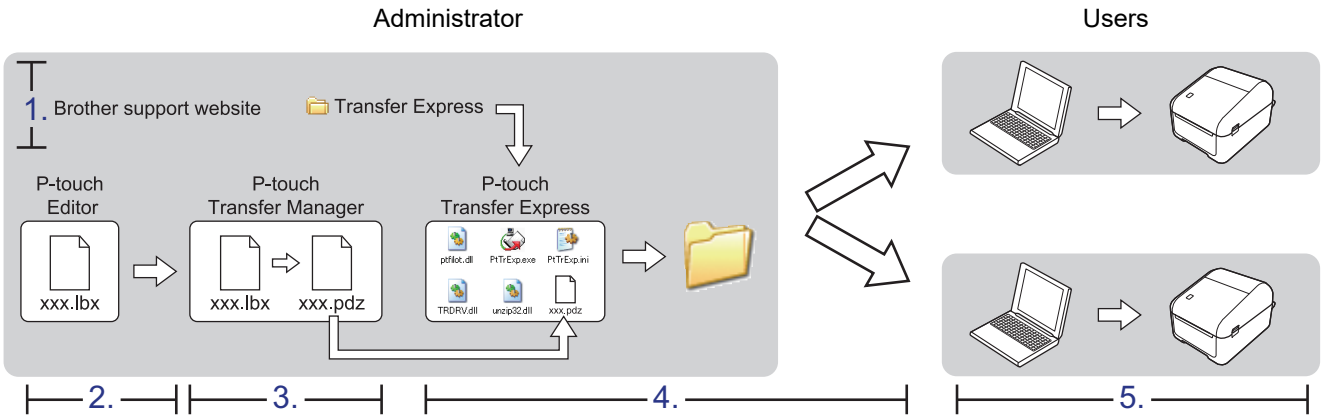
- Transfer the Template to P-touch Transfer Manager (Windows)

Distribute Templates to be Transferred to Users Without Using P-touch Transfer Manager (Windows)

You can transfer templates to the printer using P-touch Transfer Express. First, the administrator creates a template, and then distributes it together with P-touch Transfer Express. You can then use P-touch Transfer Express to transfer the template directly to your printer.

To download the latest version of P-touch Transfer Express, go to your model's **Downloads** page on the Brother support website at support.brother.com.

- When transferring a new template, make sure you specify a Key Assign number (in P-touch Transfer Manager) that is not currently used. If the specified Key Assign number is already being used, the existing template will be overwritten with the new one.
- This function requires a USB connection.



>> Administrator tasks
>> User tasks

Administrator tasks

>> Preparing P-touch Transfer Express
>> Transfer the Template to P-touch Transfer Manager
>> Save the Template as a Transfer Package File (PDZ)
>> Distribute the Transfer Package File (PDZ) and P-touch Transfer Express to Others

Preparing P-touch Transfer Express

The printer driver must be installed before using P-touch Transfer Express.

P-touch Transfer Express is available only in English.

1. Download P-touch Transfer Express to any location on the computer.
2. Decompress the downloaded file (ZIP).

Transfer the Template to P-touch Transfer Manager

1. Start the P-touch Editor .
   - **Windows 10/Windows Server 2016:**

     Click **Start** > **Brother P-touch** > **P-touch Editor 5.2**, or double-click the **P-touch Editor 5.2** icon on the desktop.
   - **Windows 8/Windows 8.1/Windows Server 2012/Windows Server 2012 R2:**

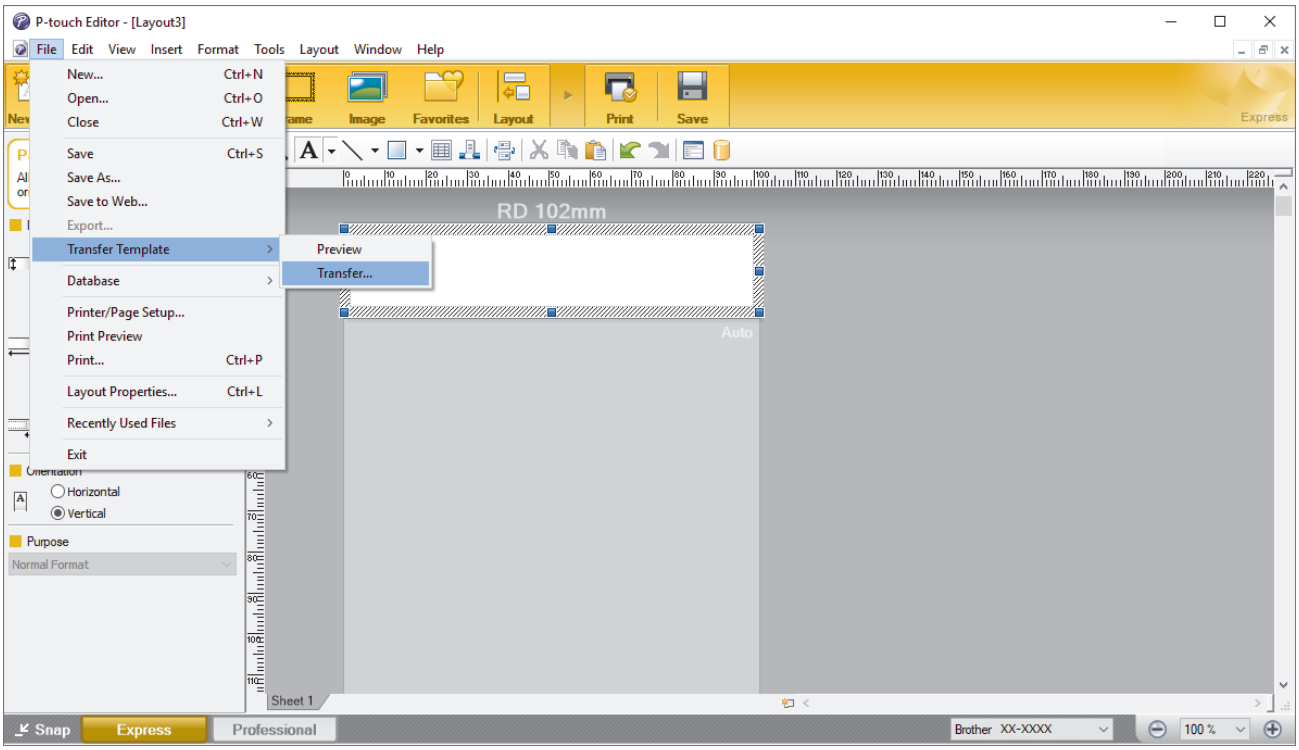
Click the **P-touch Editor 5.2** icon on the **Apps** screen, or double-click the **P-touch Editor 5.2** icon on the desktop.

- **Windows 7/Windows Server 2008/Windows Server 2008 R2:**

  Click **Start** > **All Programs** > **Brother P-touch** > **P-touch Editor 5.2**, or double-click the **P-touch Editor 5.2** icon on the desktop.

P-touch Editor starts.

2. Open the template you want.
3. Click **File** > **Transfer Template** > **Transfer**.



The template is transferred to P-touch Transfer Manager. P-touch Transfer Manager starts.

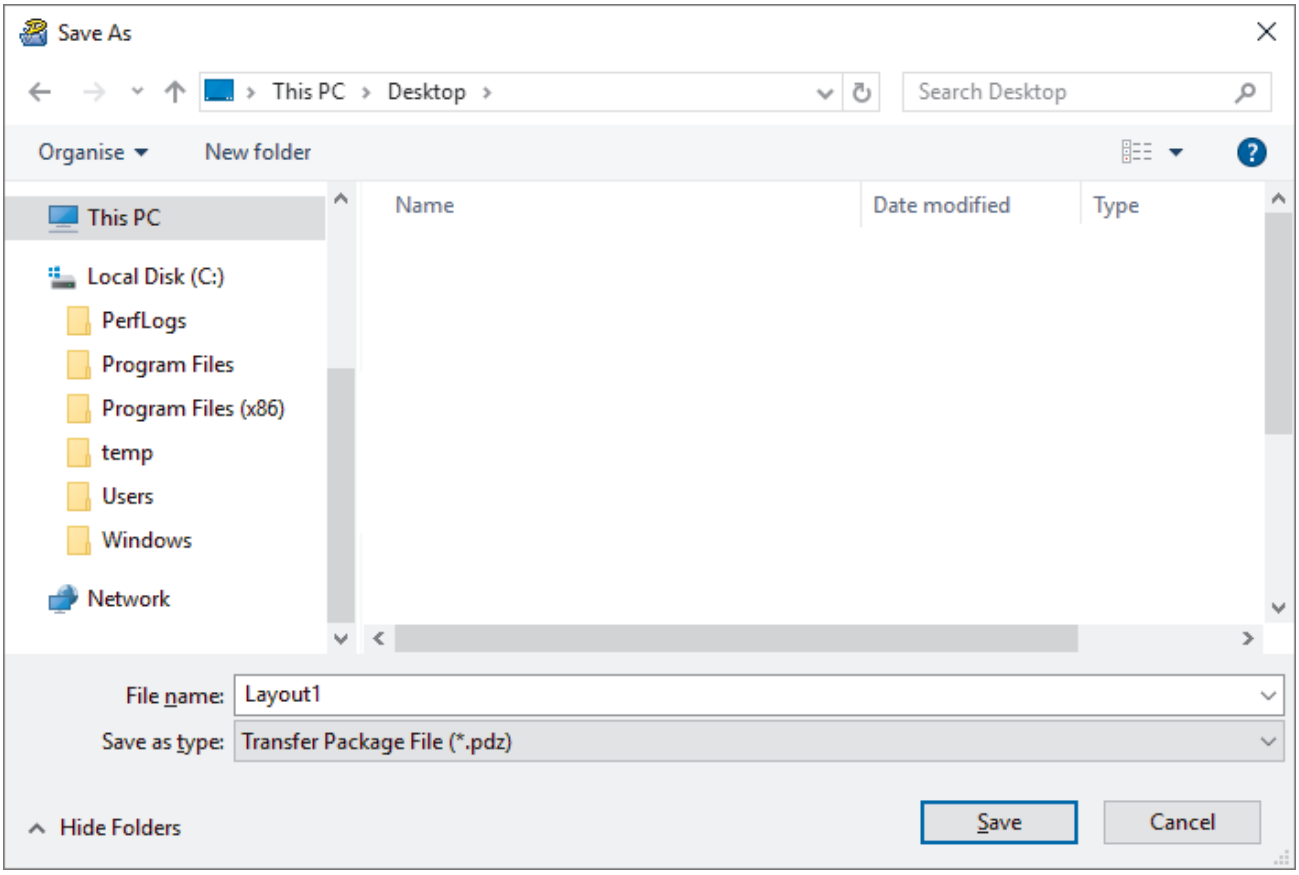
Save the Template as a Transfer Package File (PDZ)

To create a file in a format that can be used by P-touch Transfer Express, save the template as a Transfer Package file (PDZ).

1. Select the **Configurations** folder in the P-touch Transfer Manager window.
2. Select the templates you want to distribute.
3. Click **File** > **Save Transfer File**.

- The **Save Transfer File** option appears only if the printer is disconnected from the computer or offline.
- If you click the **Save Transfer File** option after selecting the **Configurations** folder or a created folder, all templates in the folder are saved as the Transfer Package file (PDZ).
- You can combine multiple templates into a single Transfer Package file (PDZ).

4. Type the name, and then click **Save**.

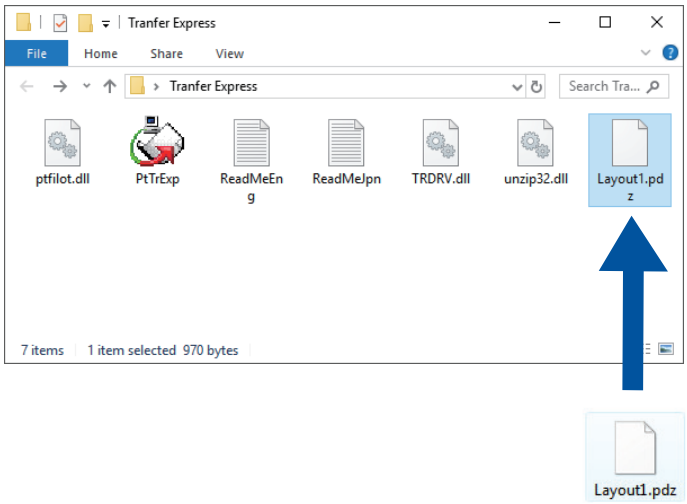


The template is saved as a Transfer Package file (PDZ).

Distribute the Transfer Package File (PDZ) and P-touch Transfer Express to Others

If you already have downloaded P-touch Transfer Express, it is not necessary for the administrator to send the Transfer Express folder. In this case, you can simply move the distributed Transfer Package file to the downloaded folder, and then double-click PtTrExp.exe.

1. Move the Transfer Package file (PDZ) to the downloads folder.



2. Distribute all the files in the downloads folder to others.

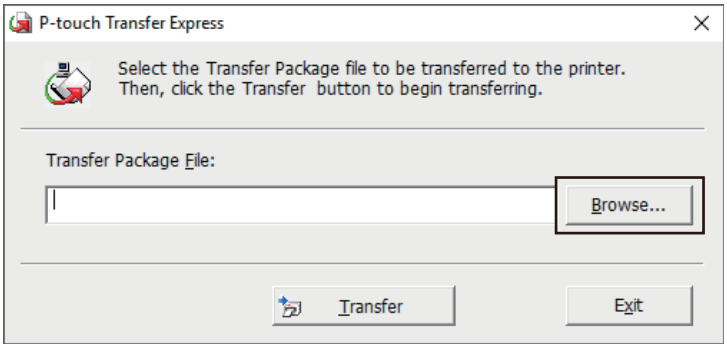
User tasks

Transfer the Transfer Package File (PDZ) to Your Printer

You can transfer the Transfer Package file (PDZ) to the printer using the P-touch Transfer Express received from the administrator.

Do not turn the power off when transferring templates.

1. Turn the printer on.
2. Connect the printer to the computer using a USB cable.
3. Double-click the **PtTrExp.exe** file received from the administrator.
4. Do one of the following:
   - To transfer a single Transfer Package file (PDZ) within the folder containing the **PtTrExp.exe** file, click **Transfer**.
   - To transfer multiple Transfer Package files (PDZ) within the folder containing the **PtTrExp.exe** file, do the following:
     a. Click **Browse**.



     b. Select the Transfer Package file you want to transfer, and then click **Open**.
     c. Click **Transfer**.
     d. Click **Yes**.
5. When completed, click **OK**.

Related Information

- Transfer Templates to the Printer (P-touch Transfer Manager) (Windows)

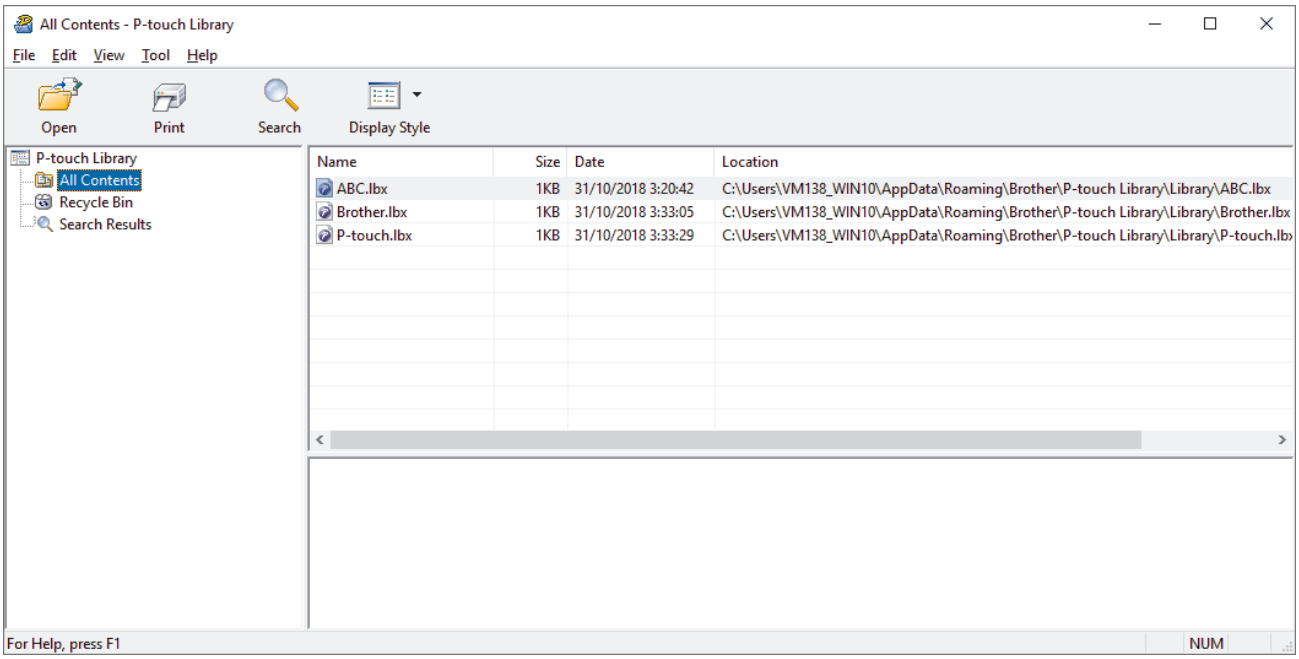
Store or Manage Templates (P-touch Library)

- Edit Templates Using P-touch Library (Windows)
- Print Templates Using P-touch Library (Windows)
- Search Templates Using P-touch Library (Windows)

Edit Templates Using P-touch Library (Windows)

1. Start the P-touch Library.
   - **Windows 10/Windows Server 2016:**
     Click **Start** > **Brother P-touch** > **P-touch Library 2.3**.
   - **Windows 8/Windows 8.1/Windows Server 2012/Windows Server 2012 R2:**
     Click the **P-touch Library 2.3** icon on the **Apps** screen.
   - **Windows 7/Windows Server 2008/Windows Server 2008 R2:**
     Click **Start** > **All Programs** > **Brother P-touch** > **P-touch Tools** > **P-touch Library 2.3**.

   The main window appears.



Overview of the Toolbar Icons

Icon	Button name	Function
	Open	Opens the selected template.
	Print	Prints the selected template with the printer.
	Search	Allows you to search for templates registered to P-touch Library.
	Display Style	Changes the file display style.

2. Select the template you want to edit, and then click **Open**.
   The program associated with the template launches, allowing you to edit the template.

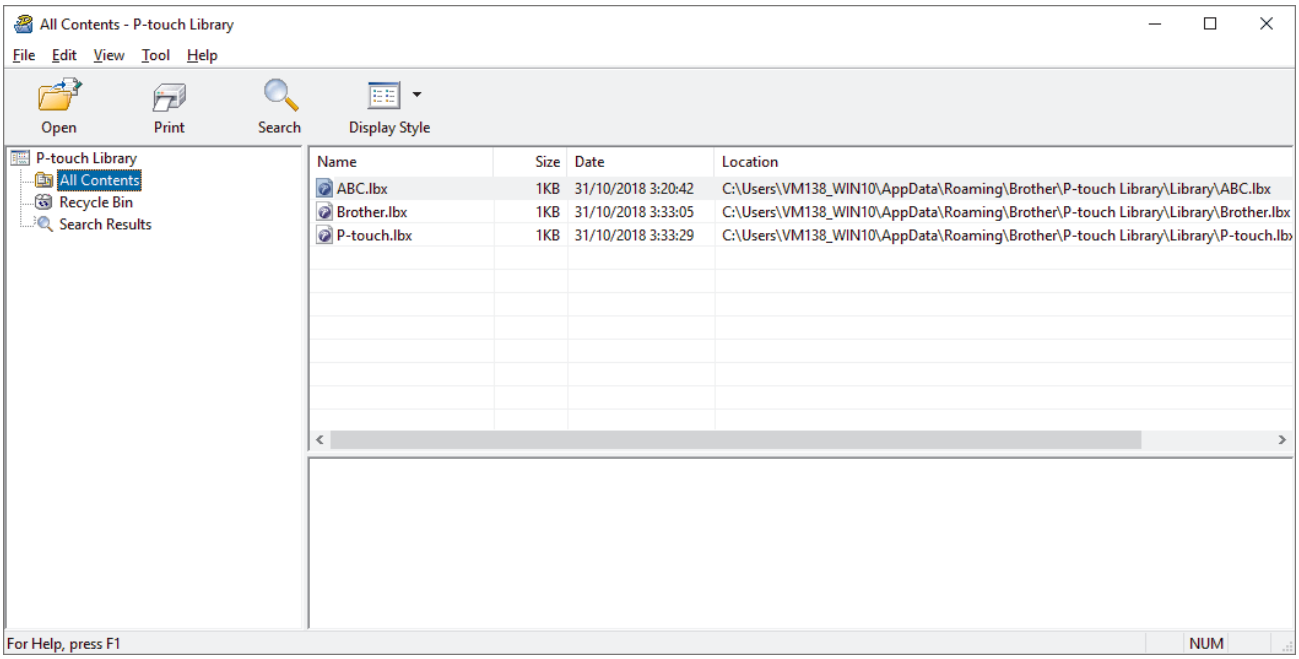
Related Information

- Store or Manage Templates (P-touch Library)

Print Templates Using P-touch Library (Windows)

1. Start the P-touch Library.
   - **Windows 10/Windows Server 2016:**
     Click **Start** > **Brother P-touch** > **P-touch Library 2.3**.
   - **Windows 8/Windows 8.1/Windows Server 2012/Windows Server 2012 R2:**
     Click the **P-touch Library 2.3** icon on the **Apps** screen.
   - **Windows 7/Windows Server 2008/Windows Server 2008 R2:**
     Click **Start** > **All Programs** > **Brother P-touch** > **P-touch Tools** > **P-touch Library 2.3**.

   The main window appears.



2. Select the template you want to print, and then click **Print**.
   The connected printer prints the template.

Related Information

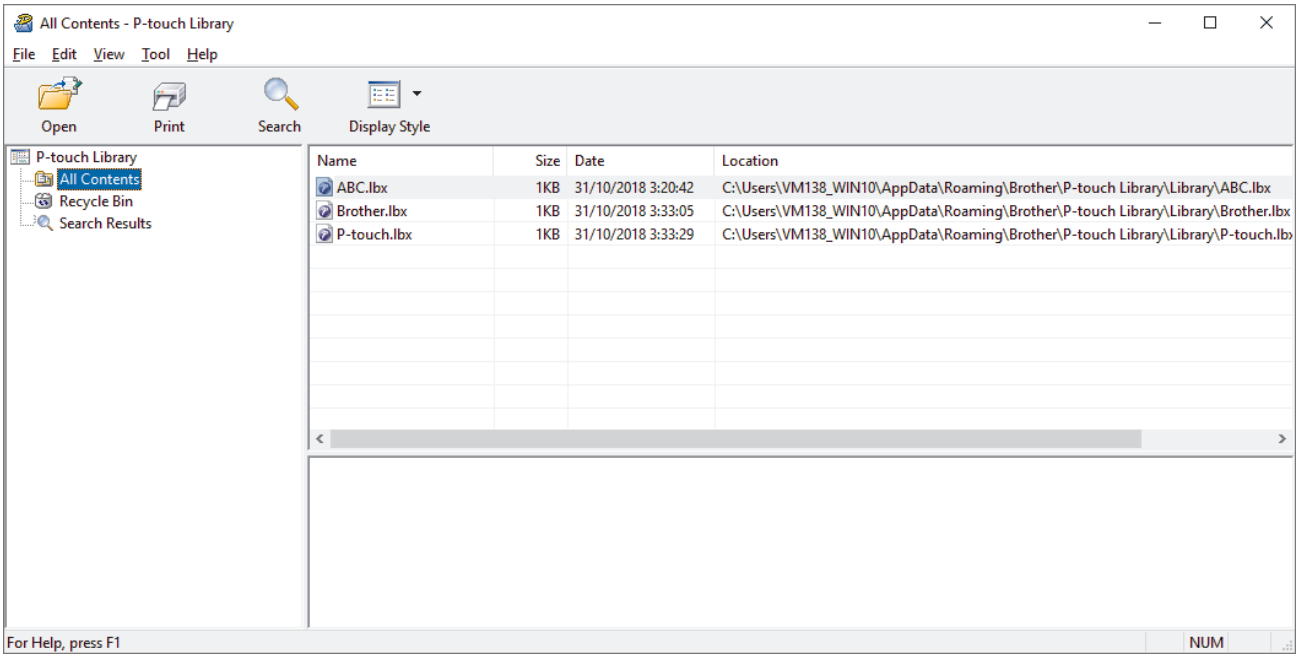
- Store or Manage Templates (P-touch Library)

Search Templates Using P-touch Library (Windows)

You can search for templates registered to P-touch Library.

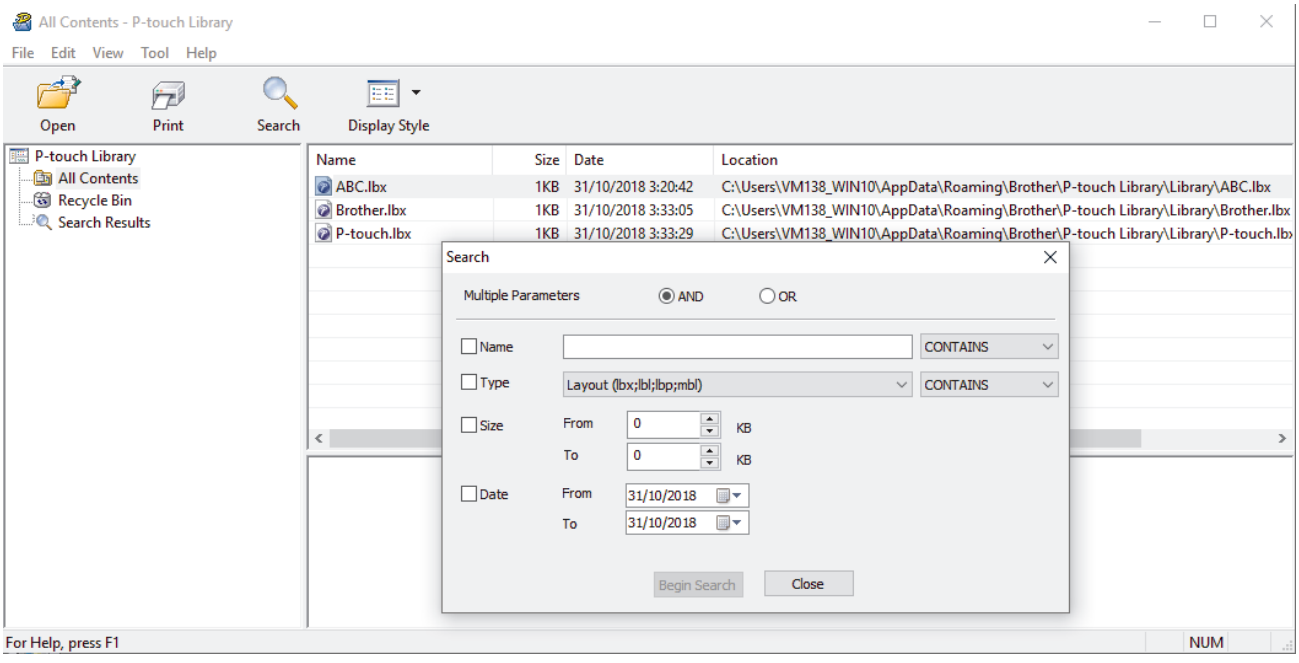
1. Start the P-touch Library.
   - **Windows 10/Windows Server 2016:**
     Click **Start** > **Brother P-touch** > **P-touch Library 2.3**.
   - **Windows 8/Windows 8.1/Windows Server 2012/Windows Server 2012 R2:**
     Click the **P-touch Library 2.3** icon on the **Apps** screen.
   - **Windows 7/Windows Server 2008/Windows Server 2008 R2:**
     Click **Start** > **All Programs** > **Brother P-touch** > **P-touch Tools** > **P-touch Library 2.3**.

   The main window appears.



2. Click **Search**.

   The **Search** dialog box appears.



3. Specify the search criteria.

The following search criteria are available:

Settings	Details
Multiple Parameters	Determines how the program searches when multiple criteria are specified. If you select **AND**, the program searches for files meeting all of the criteria. If you select **OR**, the program searches for files meeting any of the criteria.
Name	Search for a template by specifying the file name.
Type	Search for a template by specifying the file type.
Size	Search for a template by specifying the file size.
Date	Search for a template by specifying the file date.

4. Click **Begin Search**.

   The search begins and the search results are displayed.

5. Close the **Search** dialog box.

   To confirm the search results, click **Search Results** in the folder view.

You can register templates to P-touch Library by dragging and dropping them into the **All Contents** folder or to the folder list.

Related Information

- Store or Manage Templates (P-touch Library)

Network

Related Models: TD-4420DN/TD-4520DN

- Learn about Network Management Software and Utilities
- Change Printer Settings Using Web Based Management

Learn about Network Management Software and Utilities

Related Models: TD-4420DN/TD-4520DN

Web Based Management

Web Based Management is a utility that uses a standard web browser to manage your machine using the Hyper Text Transfer Protocol (HTTP) or Hyper Text Transfer Protocol over Secure Socket Layer (HTTPS). Type your machine's IP address into your web browser to access and change your print server settings.

BRAdmin Light (Windows)

BRAdmin Light is a utility for the initial setup of network-connected Brother printers. This utility can search for Brother printers on your network, view their status and configure the basic network settings, such as IP address.

Go to your model's **Downloads** page on the Brother support website at support.brother.com to download BRAdmin Light.

If using a firewall, anti-spyware, or antivirus software, temporarily disable them. When you are sure you can print, re-enable them.

BRAdmin Professional (Windows)

BRAdmin Professional is a utility for more advanced management of network-connected Brother printers. This utility can search for Brother printers on your network and view their status from an easy-to-read Windows Explorer-style screen that changes colour to identify the status of each printer. You can configure network and printer settings, and update printer firmware from a Windows computer on your LAN. BRAdmin Professional can also log activity of Brother printers on your network and export the log data.

Go to your model's **Downloads** page on the Brother support website at support.brother.com to download the latest version of Brother's BRAdmin Professional utility.

- The node name appears in the current BRAdmin Professional window.

  The default node name is "BRNxxxxxxxxxxxx". (“xxxxxxxxxxxx” is based on the printer's MAC Address / Ethernet Address.)
- If using a firewall, anti-spyware, or antivirus software, temporarily disable them. When you are sure you can print, re-enable them.

Related Information

- Network

Update

- Update P-touch Editor (Windows)
- Update the Firmware

Update P-touch Editor (Windows)

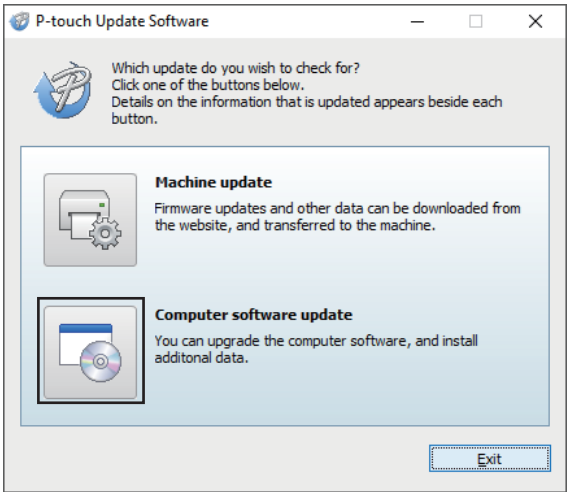
Before updating P-touch Editor, install the printer driver.

1. Start the P-touch Update Software.
   - **Windows 10/Windows Server 2016:**

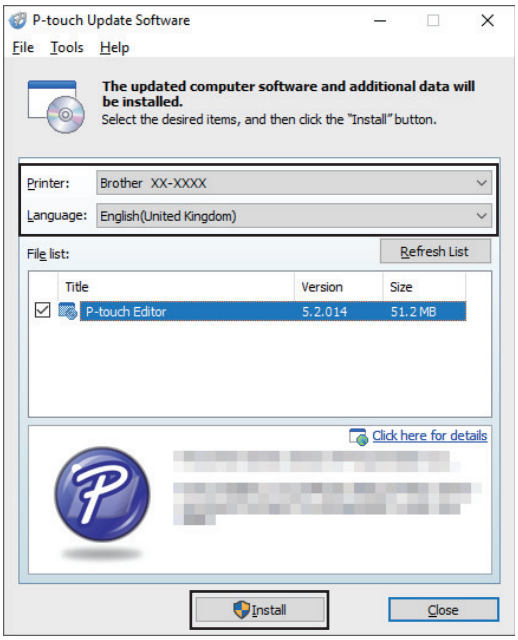
     Click **Start** > **Brother P-touch** > **P-touch Update Software**, or double-click the **P-touch Update Software** icon on the desktop.
   - **Windows 8/Windows 8.1/Windows Server 2012/Windows Server 2012 R2:**

     Click the **P-touch Update Software** icon on the **Apps** screen, or double-click the **P-touch Update Software** icon on the desktop.
   - **Windows 7/Windows Server 2008/Windows Server 2008 R2:**

     Click **Start** > **All Programs** > **Brother P-touch** > **P-touch Update Software**, or double-click the **P-touch Update Software** icon on the desktop.
2. Click the **Computer software update** icon.



3. Select the **Printer** and **Language** options, select the check box next to P-touch Editor, and then click **Install**.



When finished, a confirmation dialog appears.

Related Information

- Update

Update the Firmware

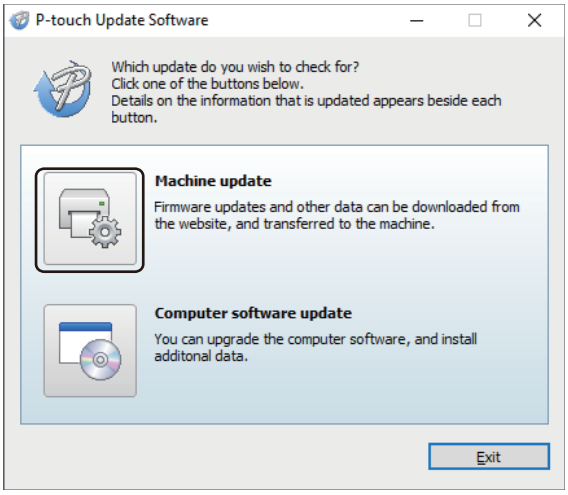
- Before updating the firmware, you must install the printer driver.
- Do not turn the power off when transferring data or updating firmware.
- If another application is running, exit the application.

1. Turn the printer on and connect the USB cable.
2. Start the P-touch Update Software.
   - **Windows 10/Windows Server 2016:**

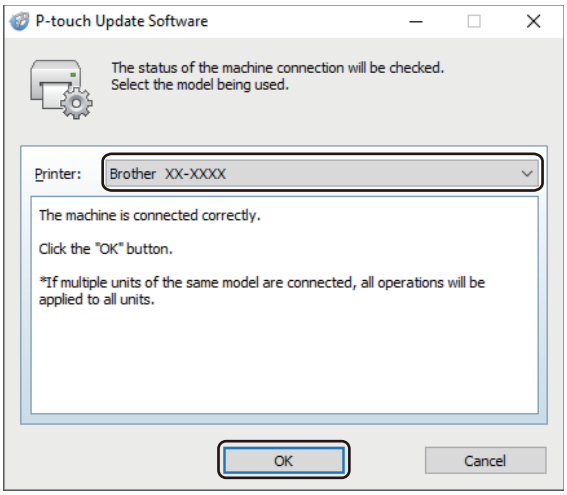
     Click **Start** > **Brother P-touch** > **P-touch Update Software**, or double-click the **P-touch Update Software** icon on the desktop.
   - **Windows 8/Windows 8.1/Windows Server 2012/Windows Server 2012 R2:**

     Click the **P-touch Update Software** icon on the **Apps** screen, or double-click the **P-touch Update Software** icon on the desktop.
   - **Windows 7/Windows Server 2008/Windows Server 2008 R2:**

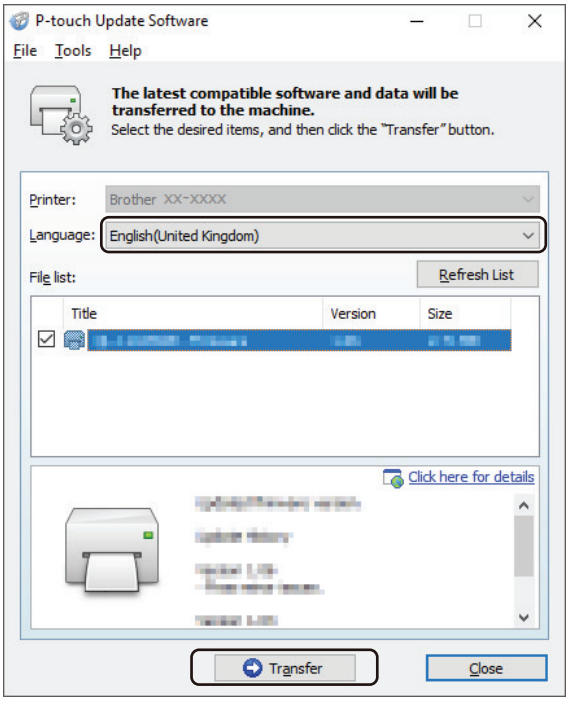
     Click **Start** > **All Programs** > **Brother P-touch** > **P-touch Update Software**, or double-click the **P-touch Update Software** icon on the desktop.
3. Click the **Machine update** icon.



4. Select the **Printer** option, make sure the machine is connected correctly, and then click **OK**.



5. Select the **Language** option, select the check box next to the firmware you want to update to, and then click **Transfer**.



NOTE

Do not turn the printer off or disconnect the cable during data transfer.

6. Check the content to be updated, and then click **Start** to begin the update.
   The firmware update begins.

NOTE

Do not turn the printer off or disconnect the cable during the update process.

Related Information

- Update

Printer Settings

- Change Printer Settings Using the Printer Setting Tool (Windows)
- Apply Setting Changes to Multiple Printers (Windows)
- Change Printer Settings Using Web Based Management
- Confirm Printer Settings

Change Printer Settings Using the Printer Setting Tool (Windows)

- Make sure the AC Adapter is connected to the printer and the AC Power Cord is connected to an electrical socket.
- Make sure the printer driver has been installed correctly and you can print.
- Connect the printer to a computer with a USB cable.

- The Printer Setting Tool is installed in addition to the printer driver and other software when using the installer.
- The Printer Setting Tool is available only with compatible Brother printers.

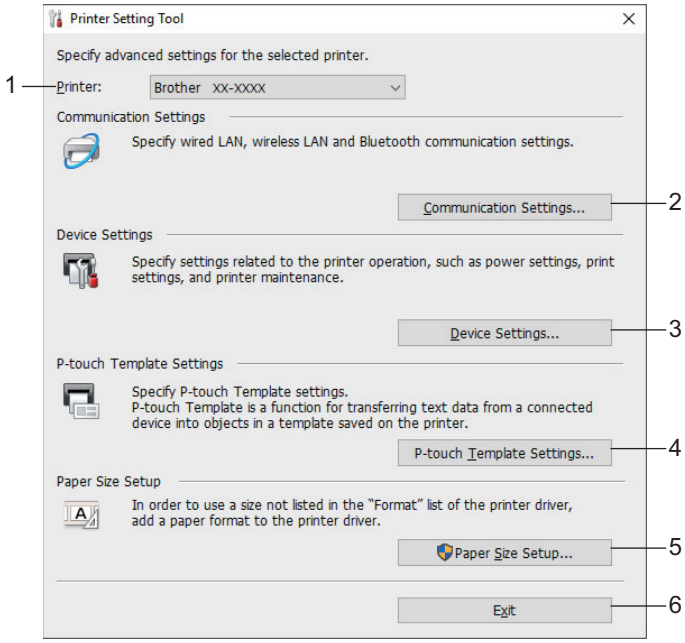
1. Connect the printer you want to configure to the computer.
2. Start the Printer Setting Tool.
   - **Windows 10/Windows Server 2016:**

     Click **Start** > **Brother** > **Printer Setting Tool**.
   - **Windows 8/Windows 8.1/Windows Server 2012/Windows Server 2012 R2:**

     Click the **Printer Setting Tool** icon on the **Apps** screen.
   - **Windows 7/Windows Server 2008/Windows Server 2008 R2:**

     Click **Start** > **All Programs** > **Brother** > **Label & Mobile Printer** > **Printer Setting Tool**.

   The main window appears.



1. **Printer**

   Lists the connected printers.
2. **Communication Settings (TD-4420DN/TD-4520DN)**

   (TD-4420DN/TD-4520DN) Specifies wired LAN communication settings.
3. **Device Settings**

   Specifies device settings. For example, power settings.
4. **P-touch Template Settings**

   Specifies P-touch Template settings.

   For more information, see the *P-touch Template Manual/Command Reference* (English only). You can download the latest version from the Brother support website at support.brother.com/manuals.

5. **Paper Size Setup**

   Add media information and settings to the printer driver to use sizes not listed in the **Paper Size** list of the printer driver.

   NOTE

   To open **Paper Size Setup**, you must be logged on with administrator rights.

6. **Exit**

   Closes the window.

3. Make sure the printer you want to configure appears next to **Printer**.

   If a different printer appears, select the printer you want from the drop-down list.
4. Select the settings you want to change, and then specify or change the settings in the dialog box.
5. Click **Apply** to apply the settings to the printer.
6. Click **Exit** in the main window to finish specifying settings.

Use the Printer Setting Tool to configure the printer only when the printer is idle. The printer may malfunction if you try to configure it while it is processing or printing a print job.

Related Information

- Printer Settings
  - Communication Settings of the Printer Setting Tool (Windows)
  - Device Settings of the Printer Setting Tool (Windows)
  - P-touch Template Settings of the Printer Setting Tool (Windows)
  - Paper Size Setup of Printer Setting Tool (Windows)

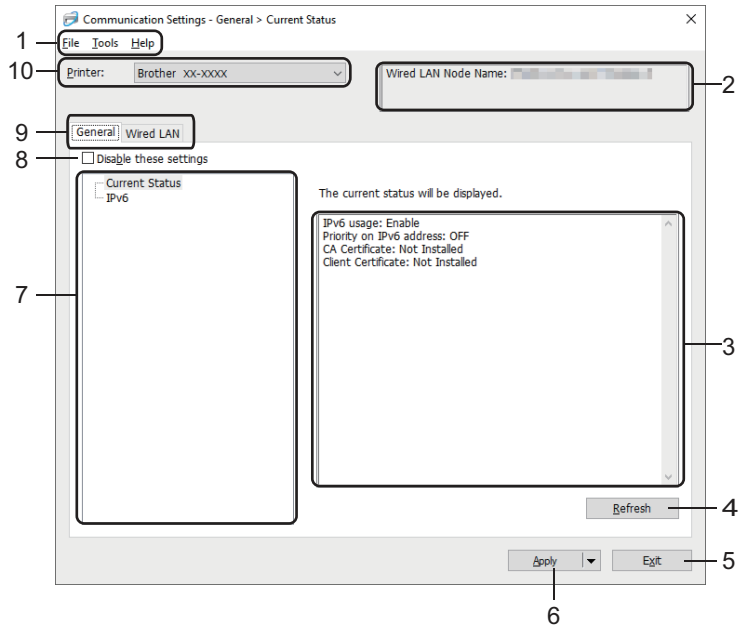
Communication Settings of the Printer Setting Tool (Windows)

Related Models: TD-4420DN/TD-4520DN

Use Communication Settings in the Printer Setting Tool to specify or change the printer communication information, when connecting the printer and computer with a USB cable. Not only can you change the communication settings for one printer, but you can also apply the same settings to multiple printers.

>> Settings Dialog Box
>> Menu Bar
>> **General** Tab
>> **Wired LAN** Tab

Settings Dialog Box



1. **Menu Bar**

   Provides access to various commands grouped under each menu title (the **File**, **Tools**, and **Help** menus) according to their functions.

2. **Node Name**

   Displays the node name (nodes can be renamed).

3. **Settings Display/Change Area**

   Displays the current settings for the selected item.

4. **Refresh**

   Updates the displayed settings with the most recent information.

5. **Exit**

   Exits the **Communication Settings** window, and returns to the main window of the Printer Setting Tool.

Settings are not applied to printers if **Exit** is clicked without clicking the **Apply** button after changing the settings.

6. **Apply**

   Applies the settings to the printer. To save the specified settings in a command file, select the **Save in Command File** command from the drop-down list. The saved command file can be used with the mass storage mode to apply the settings to a printer.

Clicking **Apply** applies all settings in all tabs to the printer. If the **Disable these settings** check box is selected, the settings are not applied.

7. **Items**

   When the **Current Status** menu is selected, the current settings appear in the settings display/change area. Select the item for the settings you want to change.

8. **Disable these settings**

   When this check box is selected, appears in the tab, and the settings can no longer be specified or changed. Settings in a tab where appears are not applied to the printer even if **Apply** is clicked. In addition, the settings in the tab are not saved or exported when the **Save in Command File** or **Export** command is used. To apply the settings to the printer, or to save or export them, make sure you clear the check box.

9. **Settings Tabs**

   Contains settings that may be specified or changed. If appears in the tab, the settings are not applied to the printer.

10. **Printer**

    Lists the connected printers.

Menu Bar

File Menu Options

- **Apply Settings to the Printer**

  Applies the settings to the printer.

- **Save Settings in Command File**

  Saves the specified settings in a command file. The file extension is BIN. The saved command file can be used with the mass storage mode to apply the settings to a printer.

  - If the **Disable these settings** check box is selected, the settings are not saved.
  - The following information is not saved with the command file:
    - Node name
    - IP address, subnet mask and default gateway (when the IP address is set to **STATIC**)
  - The saved communication settings commands are intended to be used only for applying settings to a printer. To apply the settings to the printer using this command file, use the mass storage mode.
  - Saved command files contain authentication keys and passwords. Take necessary measures to protect saved command files, such as saving them in a location that cannot be accessed by other users.
  - Do not send command files to a different printer model.

- **Install Certificates**

  Some network authentication methods may require a certificate.

  Install a certificate on the connected printer or save a certificate as a command file that can be distributed to the same printer models.

- **Import**

  - **Select a Profile to import**

    Imports the exported file and applies the settings to a printer. Click **Browse** and select the file you want to import. The settings in the selected file appear in the settings display/change area.

    - All settings can be imported, except for node names.
    - Only the profiles compatible with the selected printer can be imported.
    - If the imported profile's IP address is set to **STATIC**, change the IP address of the imported profile, if needed, so that it does not duplicate the IP address of an existing configured printer on the network.

- **Export**

Saves the current settings in a file. If the **Disable these settings** check box is selected, the settings are not saved.

Exported files are not encrypted.

Tools Menu Options

- **Option Settings**
  - **Automatically restart the printer after applying new settings**

    If this check box is selected, the printer automatically restarts after communication settings are applied. If this check box is cleared, you must restart the printer manually.

When configuring multiple printers, you can reduce the time needed to change settings by clearing this check box. In this case, we recommend selecting this check box when configuring the first printer so that you can confirm that each setting is operating as intended.

  - **Automatically detects the connected printer, and retrieves the current settings**

    If this check box is selected and a printer is connected to the computer, the printer is automatically detected and the printer's current settings are displayed in the **Current Status** pane.

If the connected printer is different from the printer shown in the **Printer** drop-down list, the settings available on all tabs change to match the connected printer.

- **Change Node Name/Bluetooth Device Name**

  Allows renaming a node name.
- **Reset to Default Communication Settings**

  Returns the communication settings to their factory settings.

Help Menu Options

- **Display Help**

  Displays the Help topics.

General Tab

IPv6

- **IPv6 usage**

  Selects **Enable** or **Disable**.
- **Priority on IPv6 address**

  Selects to give priority to an IPv6 address.

Wired LAN Tab

TCP/IP

- **Boot Method**

  Selects the **AUTO**, **BOOTP**, **DHCP**, **RARP**, or **STATIC** option.
- **IP Address/Subnet Mask/Gateway**

  Specifies the various networking values. You can enter these settings only when the IP address is set to **STATIC**.
- **DNS Server Method**

  Selects the **AUTO** or **STATIC** option.
- **Primary DNS Server IP Address/Secondary DNS Server IP Address**

  You can enter these settings only when the DNS server is set to **STATIC**.

IPv6

- **Static IPv6 Address**

  Specifies a permanent IPv6 address.

- **Enable this address**

  Enables the specified static IPv6 address.
- **Primary DNS Server IPv6 Address/Secondary DNS Server IPv6 Address**

  Specifies the DNS server IPv6 addresses.
- **IPv6 Address List**

  Displays the list of IPv6 addresses.

Wired 802.1x Authentication

Configures IEEE 802.1x authentication.

- **Wired 802.1x Status**

  Enable or disable IEEE 802.1x authentication for wired network.
- **Authentication Method**

  Select the authentication method.
- **User ID/Password**

  You can specify settings only when EAP-MD5, EAP-FAST, PEAP, EAP-TTLS, or EAP-TLS is selected as the authentication method. In addition, with EAP-TLS, it is not necessary to register a password, but a client certificate must be registered. To register a certificate, connect to the printer from a web browser, and then specify the certificate. Installation of the authentication certificate can also be performed with the Printer Setting Tool by going to the menu bar: **File** > **Install Certificates**.

Related Information

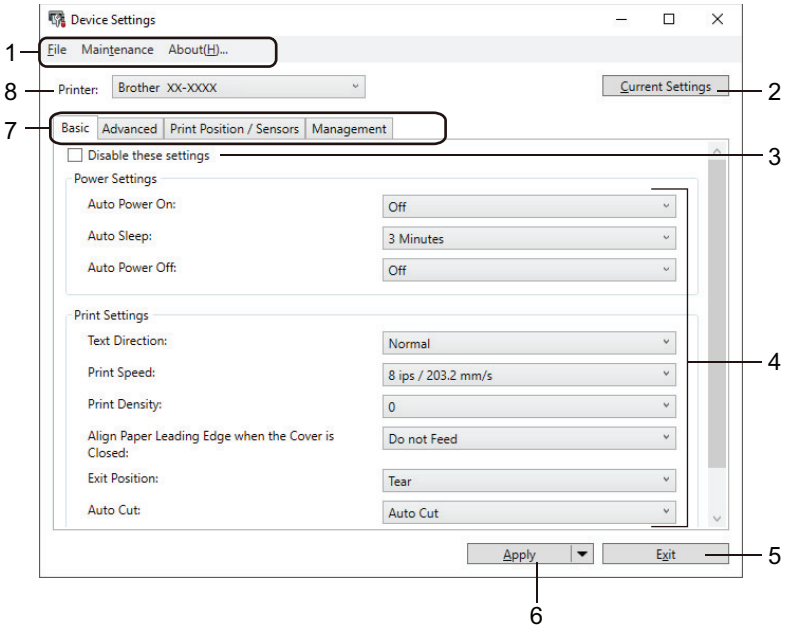
- Change Printer Settings Using the Printer Setting Tool (Windows)

Device Settings of the Printer Setting Tool (Windows)

Use Device Settings in the Printer Setting Tool to specify or change printer settings when connecting the printer and computer with a USB cable. Not only can you change the device settings for one printer, but you can also apply the same settings to multiple printers. When printing from a computer application, various printing settings can be specified from the printer driver; however, using the Device Settings tool in the Printer Setting Tool, more advanced settings can be specified. When you open the **Device Settings** window, the printer's current settings are retrieved and displayed. If the current settings cannot be retrieved, the previous settings are displayed. If the current settings cannot be retrieved and previous settings were not specified, the machine's factory settings appear.

>> Settings Dialog Box
>> Menu Bar
>> **Basic** Tab
>> **Advanced** Tab
>> **Print Position / Sensors** Tab
>> **Management** Tab

Settings Dialog Box



1. **Menu Bar**

   Provides access to various commands grouped under each menu title (the **File**, **Maintenance**, and **About** menus) according to their functions.

2. **Current Settings**

   Retrieves the settings from the currently connected printer and displays them in the dialog box. Settings can also be retrieved for the parameters on tabs with .

3. **Disable these settings**

   When this check box is selected, appears on the tab, and the settings can no longer be specified or changed. Settings in a tab where appears are not applied to the printer even if **Apply** is clicked. In addition, the settings in the tab are not saved or exported when you use the **Save in Command File** or **Export** command.

4. **Parameters**

   Displays the current settings.

5. **Exit**

   Exits the **Device Settings** window and returns to the main window of the Printer Setting Tool.

6. **Apply**

   Applies the settings to the printer. To save the specified settings in a command file, select the **Save in Command File** command from the drop-down list.

   The saved command file can be used with the mass storage mode to apply the settings to a printer.

7. **Settings Tabs**

   Contains settings that may be specified or changed.

If appears in the tab, the settings cannot be changed. In addition, the settings in the tab are not applied to the printer even if you click **Apply**. The settings in the tab are not saved or exported when you use the **Save in Command File** or **Export** commands.

8. **Printer**

   Specifies the printer you want to configure.

Menu Bar

File Menu Options

- **Apply Settings to the Printer**

  Applies the settings to the printer.

- **Check Setting**

  Displays the current settings.

- **Save Settings in Command File**

  Saves the specified settings in a command file.

- **Import**

  Imports an exported file.

- **Export**

  Saves the current settings in a file.

- **Exit**

  Exits the **Device Settings** window and returns to the main window of the Printer Setting Tool.

Maintenance Menu Options

You must have administrator privileges for the computer or the printer to display some items. Check if you have administrator privileges for the printer by clicking the **Printer properties** menu, and then clicking the **Security** tab.

- **Save Print Log in File**

  Saves the print log in a file in the CSV format.

- **Print Unit Settings**

  Prints a report containing the current firmware version and device setting information.

When you print this report, we recommend using a 62 mm or wider RD Roll.

- **Check Print Head Status**

  Checks if there are no problems with the print head.

- **Reset to Factory Defaults**

  (TD-4210D/TD-4410D) Resets all the settings to the factory settings, including device settings, and transferred data.

  (TD-4420DN/TD-4520DN) Resets all the settings to the factory settings, including device settings, transferred data, and network settings.

- **Reset only Device Settings**

Resets the settings that can be changed in the Device Settings to factory settings.

- **Delete Template and Database**

  Deletes the templates and databases stored in the printer.

- **Delete Print Log**

  Deletes the print log stored in the printer.

- **Option Settings**

  If the **Do not display an error message if the current settings cannot be retrieved at startup** check box is selected, a message is not displayed the next time.

Basic Tab

- **Auto Power On**

  Specifies whether the printer turns on automatically when the AC Power Code is plugged into an electrical socket.

- **Auto Sleep**

  Specifies the amount of time to pass before the printer automatically goes into sleep mode.

- The printer will automatically enter sleep mode when the specified time elapses under the following conditions:
  - The printer does not receive data.
  - A LAN cable is not connected. (TD-4420DN/TD-4520DN)
  - In idle mode.
  - When not communicating using the serial port.
- Sleep mode is cancelled when the following operations are performed:
  - Any of the printer buttons is pushed.
  - The Roll Compartment Cover is opened or closed.
  - The printer receives data. (excluding via the serial port)
  - A USB cable is disconnected and then reconnected.

- **Auto Power Off**

  Specifies the period of time that passes before the printer turns off automatically when connected to an electrical socket.

- The printer will automatically enter power off mode when the specified time elapses under the following conditions:
  - The printer does not receive data.
  - A LAN cable is not connected. (TD-4420DN/TD-4520DN)
  - In idle mode.
  - When not communicating using the serial port.
- Power off mode is cancelled when the following operations are performed:
  - Any of the printer buttons is pushed.
  - The Roll Compartment Cover is opened or closed.
  - The printer receives data. (excluding via the serial port)
  - A USB cable is disconnected and then reconnected.

- **Text Direction**

  Selects the printing orientation.

- **Print Speed**

  Selects the printer’s printing speed.

- **Print Density**

  Adjusts the printer’s printing density.

- **Align Paper Leading Edge when the Cover is Closed**

  Selects whether the paper is automatically fed when the cover is closed.
- **Exit Position**

  Selects the media output location.
- **Auto Cut**

  Sets the cutting method when printing multiple labels.
- **Auto Speed Configuration**

  Automatically adjusts the printing speed and prints at the optimal print density.

Advanced Tab

- **Feed Key Function**

  Selects the operation performed when is pressed. If **Program Settings** is selected, click **File** and select the command file.
- **Function Key Function**

  Selects the operation performed when is pressed. If **Program Settings** is selected, click **File** and select the command file.

  If the Cutter is attached, manual cutting can be set using the Function Key.
- **Print Information Report**

  Selects the information you want to include in the printer Information Report.
- **JPEG Printing Setting**

  Selects the method of image processing when printing JPEG images.
- **Serialize Mode**

  Specifies the serialise (number) method for your printed labels.
- **Save Printer Print Log**

  Selects whether to save the printer's print log. If **Disable** is selected, the **Save Print Log in File** option cannot be enabled.
- **Print Data after Printing**

  Specifies whether print data is erased after printing.

Print Position / Sensors Tab

If RD Rolls are being used, it is unnecessary to adjust the sensors.

- **Printing Reference Point Adjustment**

  Adjusts the position of the reference point (point of origin for printing). This corrects printing misalignments resulting from differences in printer models or from the fixed margins of some software.

  The reference point cannot be adjusted for raster printing.
- **Tear Adjust**

  Adjusts the tear bar tear-off position for paper media.
- **Media Sensor (Transmissive/Gap)**
  - **Detection Sensitivity**

    Adjusts the sensitivity of gap (spacing) detection for die-cut labels.
  - **Luminescence Adjustment**

    Adjusts the amount of light emitted by the transmissive/gap sensor.
- **Media Sensor (Reflective/Bar)**
  - **Mark Detection Sensitivity**

    Adjusts the sensitivity of black mark detection.
  - **Luminescence Adjustment**

Adjusts the amount of light emitted by the reflective/black mark sensor.

- **Media Sensor (Peeler)**

  Specifies the settings when the Label Peeler (optional) is used.

  - **Detection Sensitivity**

    Adjusts the precision of the sensor that detects whether the label has been peeled.

Management Tab

To display this tab, you must have administrator privileges for the computer or the printer. Check if you have administrator privileges for the printer by clicking the **Printer properties** menu, and then clicking the **Security** tab.

- **Command Mode**

  Selects the command mode type.

- **Print Head Check When Powered On**

  Sets whether to check the status of the print head when you turn the printer on.

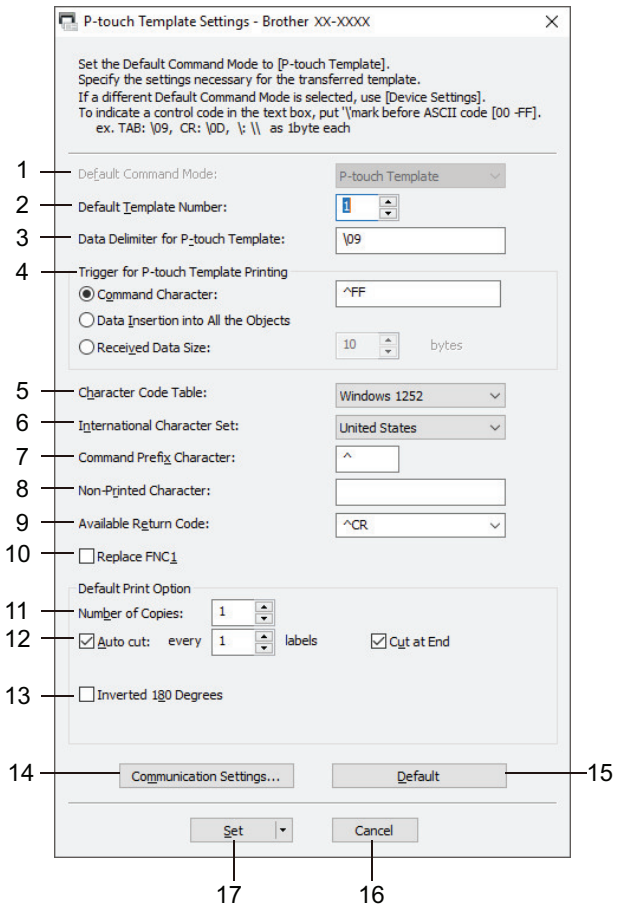
Related Information

- Change Printer Settings Using the Printer Setting Tool (Windows)

P-touch Template Settings of the Printer Setting Tool (Windows)

P-touch Template mode allows you to insert data into text and barcode objects from a downloaded template using other devices connected to the printer. The available options and supplies may vary depending on your country. Use P-touch Template Settings in the Printer Setting Tool to specify or change P-touch Template functions.

- P-touch Template mode is also compatible with other input devices like a scale, testing machine, controller, or a programmable logic device.
- For more information on P-touch Template Settings, see the *P-touch Template Manual/Command Reference* (English only). You can download the latest version from the Brother support website at support.brother.com/manuals.



1. **Default Command Mode**

   Specifies the P-touch Template mode as the default mode. To change the mode, select the mode by accessing the **Management** tab on the **Device Settings** window.

2. **Default Template Number**

   Specifies a default template number that the printer sets when it is turned on. If you do not want to transfer a template to the printer, do not specify a template number.

3. **Data Delimiter for P-touch Template**

   Displays a symbol used to indicate the boundaries between groups of data in a file (maximum of 20 characters).

4. **Trigger for P-touch Template Printing**

   Specifies a trigger to begin printing from a number of options.

   - **Command Character**: Printing starts when the command character specified here is received.
   - **Data Insertion into All the Objects**: Printing starts when the delimiter for the last object is received.

- **Received Data Size**: Printing starts when the number of characters specified here is received. However, delimiters are not counted in the number of characters.

5. **Character Code Table**

   Selects one of the character code sets.

6. **International Character Set**

   Lists character sets for specific countries. The following codes vary depending on the selected country:

   23h 24h 40h 5Bh 5Ch 5Dh 5Eh 60h 7Bh 7Ch 7Dh 7Eh

   To change the characters, see the *P-touch Template Manual/Command Reference* (English only). You can download the latest version from the Brother support website at support.brother.com/manuals.

7. **Command Prefix Character**

   Specifies the prefix character code identifying commands used in P-touch Template mode.

8. **Non-Printed Character**

   Characters specified here are not printed when data is received (maximum of 20 characters).

9. **Available Return Code**

   The line feed code is used when feeding data to indicate that the following data should be moved to the next line in a text object. Select one of four line feed codes or type the line feed code you want (maximum of 20 characters).

10. **Replace FNC1**

    Replaces GS codes with FNC1.

11. **Number of Copies**

    Sets the number of copies (maximum of 99 copies).

12. **Auto Cut**

    Specifies if the printer should cut the labels and how many labels to print before cutting (maximum of 99 labels).

13. **Inverted 180 Degrees**

    If this check box is selected, the data will be printed after it has been rotated 180 degrees.

14. **Communication Settings**

    Sets the parameters for serial communication.

15. **Default**

    Returns all setting values in the P-touch Template Settings dialog box to the default values.

16. **Cancel**

    Cancels the settings and closes the dialog box. The settings remain unchanged.

17. **Set**

    Applies the settings to the printer. To save the specified settings to a command file to reuse in the future, select the **Save in Command File** command from the drop-down list.

    The saved command file can be used with the mass storage mode to apply the settings to a printer.

Related Information

- Change Printer Settings Using the Printer Setting Tool (Windows)

Related Topics:

- Print Using USB Interface (Mass Storage Mode)

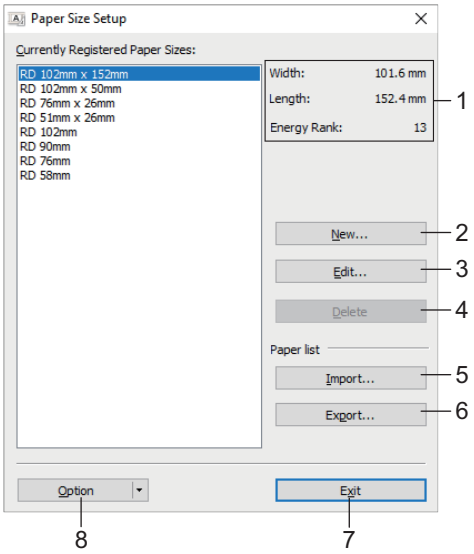
Paper Size Setup of Printer Setting Tool (Windows)

Use the Paper Size Setup in the Printer Setting Tool to add paper sizes not available in the **Paper Size** list of the printer driver.

Before you print using a paper size other than the available ones, you must register the new paper size by sending it to the printer.

Printing with a paper size not registered with the printer may produce incorrect print results.

Paper Size Setup Dialog Box



1. **Current settings**

   Displays the current settings for the selected paper format.

2. **New**

   Click this button to display the **New** dialog box and register a new paper size.

NOTE

Do not register a paper size already registered, to avoid incorrect print results. To use paper of the same size as one that is currently registered, select the size you want from the **Currently Registered Paper Sizes** list in the **Paper Size Setup** dialog box, and then change and overwrite the settings from the **Edit** dialog box.

3. **Edit**

   Edits the settings for the selected paper format.

   To save the selected paper format with the new settings, click **Overwrite**. To add a paper format with the new settings, change the name in the **Paper Size Name** box, and then click **Add**.

4. **Delete**

   Deletes the selected paper format. A deleted paper format cannot be restored.

5. **Import**

   Reads the text file containing the paper format settings and uses it to replace the contents of the **Currently Registered Paper Sizes** list.

NOTE

When the list is imported, the entire contents of the **Currently Registered Paper Sizes** list will be replaced with the imported paper formats.

6. **Export**

   Exports the paper formats in the **Currently Registered Paper Sizes** list to a file. The exported formats can then be distributed to other computers.

7. **Exit**

   Exits the **Paper Size Setup** window and returns to the main window of the Printer Setting Tool.

8. **Option**

   Click ▼, and then select an operation.

   Click **Register Paper Size With Printer** to register the settings for the selected paper format in the printer.

   Click **Save in Command File** to export the paper settings as a command file. (The file extension is BIN.)

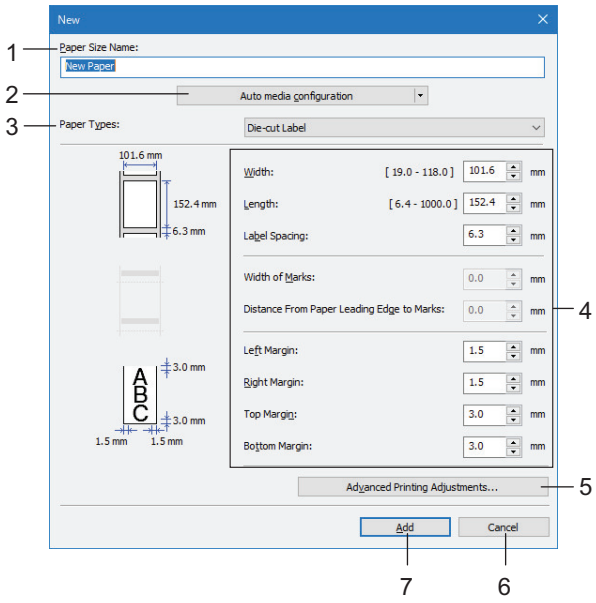
NOTE

When the paper format is registered with the printer and **Exit** is clicked, the **Paper Size Setup** dialog box appears with the added paper size in the **Currently Registered Paper Sizes** list. If the software is running, exit the software, and then restart it for the new paper format to appear in the list.

- If the following functions are being used, you can quickly apply their settings to the printer:
  - Mass storage feature
- These commands are only intended to be used to apply settings to a printer. These commands cannot be imported into the Paper Size Setup.

>> **New** Dialog Box
>> **Advanced Printing Adjustments** Dialog Box

New Dialog Box



1. **Paper Size Name**

   Type in the name of the paper format to be added.

2. **Auto media configuration**

   Retrieves and displays the information of the paper set in the printer. For more information, see *Related Information*.

   Place the printer in idle when using this option. The printer may malfunction if you try to configure it while it is processing or printing a print job.

3. **Paper Types**

   Select the paper type.

4. **Detailed settings**

   Specify details for the paper format to be added.

5. **Advanced Printing Adjustments**

   Click this button to display the **Advanced Printing Adjustments** dialog box and make advanced printing adjustments for each paper format.

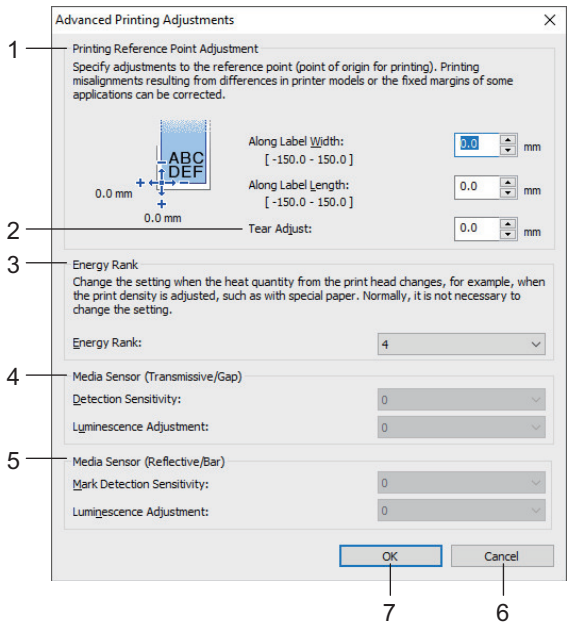
6. **Cancel**

   Cancels the settings and closes the dialog box. The settings will remain unchanged.

7. **Add**

   Click this button to add the paper format and apply the settings.

Advanced Printing Adjustments Dialog Box



1. **Printing Reference Point Adjustment**

   Adjust the position of the reference point (point of origin for printing). This corrects printing misalignments resulting from differences in printer models or from the fixed margins of some software.

2. **Tear Adjust**

   Adjust the cutting position when the paper is cut using the Tear Bar.

3. **Energy Rank**

   Adjust the amount of heat (energy) from the print head, for example, with special paper.

There may be contrast variations in the print result due to the operating environment and media used. Modify the settings as necessary.

4. **Media Sensor (Transmissive/Gap)**

   Adjust the precision with which the transmissive/gap sensor detects the gaps (spacing) for die-cut labels and the amount of light emitted by the sensor.

   Settings can be specified when **Paper Types** is set to **Die-cut Label**.

The settings for **Media Sensor (Transmissive/Gap)** in the **Device Settings** dialog box can influence the detection and calibration results. Make sure you specify the appropriate values.

Example settings:

	Setting EX1	Setting EX2
Device Settings	+2	-2
Paper Size Setup	+2	+2
Actual effect	4	0

5. **Media Sensor (Reflective/Bar)**

   Adjust the precision with which the reflective/black mark sensor detects black marks and the amount of light emitted by the sensor.

   Settings can be specified when **Paper Types** is set to **Media With Marks**.

The settings for **Media Sensor (Reflective/Bar)** in the **Device Settings** dialog box can influence the detection and calibration results. Make sure you specify the appropriate values.

Example settings:

	Setting EX1	Setting EX2
Device Settings	+2	-2
Paper Size Setup	+2	+2
Actual effect	4	0

6. **Cancel**

   Cancels the settings and closes the dialog box. The settings will remain unchanged.

7. **OK**

   Saves the settings and returns to the previous dialog box.

Related Information

- Change Printer Settings Using the Printer Setting Tool (Windows)
  - Distribute Paper Formats to Other Computers (Windows)

Related Topics:

- Auto Media Configuration

Distribute Paper Formats to Other Computers (Windows)

The paper formats exported from the **Currently Registered Paper Sizes** list in the **Paper Size Setup** dialog box can be distributed to other computers. If the printer driver has been installed on the recipient's computer, only the paper formats need to be distributed.

1. At the sender's computer, specify the paper format settings, and then click **Export**.

   The following files are created:

TD-4210D	bst421ed.ptd bst421ed.txt ptd4335.bin
TD-4410D	bst441ed.ptd bst441ed.txt pdt3735.bin
TD-4420DN	bst442ed.ptd bst442ed.txt pdt3835.bin
TD-4520DN	bst452ed.ptd bst452ed.txt pdt4135.bin

2. Save the TXT file in any location on the recipient's computer.
3. At the recipient's computer, click **Import**.

   The paper formats are replaced with the imported ones.

Related Information

- Paper Size Setup of Printer Setting Tool (Windows)

Apply Setting Changes to Multiple Printers (Windows)

>> Communication Settings (TD-4420DN/TD-4520DN)
>> Device Settings

Communication Settings (TD-4420DN/TD-4520DN)

1. After applying settings to the first printer, disconnect the printer from the computer, and then connect the second printer to the computer.
2. Select the newly connected printer from the **Printer** drop-down list.

   If the **Automatically detects the connected printer, and retrieves the current settings** check box in the **Option Settings** dialog box is selected, the printer connected with the USB cable is automatically selected.
3. Click **Apply**.

   The same settings that were applied to the first printer are applied to the second printer.
4. Repeat these steps for all printers whose settings you want to change.

- If the IP address is set to **STATIC**, the printer's IP address is changed to the same address as the first printer. Change the IP address if needed.
- To save the current settings in a file, click **File** > **Export**. The same settings can be applied to another printer by clicking **File** > **Import**, and then selecting the exported settings file.

Device Settings

1. After applying the settings to the first printer, disconnect it from your computer, and then connect the second printer.
2. Select the newly connected printer from the **Printer** drop-down list.
3. Click **Apply**. The same settings that were applied to the first printer are applied to the second printer.
4. Repeat these steps for all printers whose settings you want to change.

To save the current settings in a file, click **File** > **Export**. The same settings can be applied to another printer by clicking **File** > **Import**, and then selecting the exported settings file.

Related Information

- Printer Settings

Change Printer Settings Using Web Based Management

Related Models: TD-4420DN/TD-4520DN

You can use a standard web browser to change your print server settings using the Hyper Text Transfer Protocol (HTTP) or Hyper Text Transfer Protocol over Secure Socket Layer (HTTPS).

When using Web Based Management, the following operations are available:

- Displaying your printer status information
- Changing network settings, such as TCP/IP information
- Displaying software version information of the printer and print server
- Changing network and printer configuration details

- We recommend Microsoft Internet Explorer 11/Microsoft Edge for Windows. Make sure that JavaScript and Cookies are always enabled in whichever browser you use.
- The default login password to manage printer settings is **initpass**. We recommend you change it to protect your printer from unauthorised access.

To use Web Based Management, your network must use TCP/IP, and the printer and computer must have a valid IP address.

1. Start your web browser.
2. Type "https://machine's IP address" in your browser's address bar (where "machine's IP address" is the machine's IP address).

   For example:

   https://192.168.1.2

If you are using a Domain Name System or enable a NetBIOS name, you can type another name, such as "SharedPrinter" instead of the IP address.

- For example:

  https://SharedPrinter

If you enable a NetBIOS name, you can also use the node name.

- For example:

  https://brnxxxxxxxxxxx

3. If the machine prompts you for a password, type it, and then click .
4. Change the print server settings.

Every time you access Web Based Management, type the password in the **Login** field, and then click . After configuring the settings, log out by clicking .

Related Information

- Printer Settings
  - Set or Change a Login Password for Web Based Management

Set or Change a Login Password for Web Based Management

Related Models: TD-4420DN/TD-4520DN

We recommend changing the default login password to prevent unauthorised access to Web Based Management.

1. Start your web browser.
2. Type "https://machine's IP address" in your browser's address bar (where "machine's IP address" is the machine's IP address).

   For example:

   https://192.168.1.2

   If you are using a Domain Name System or enable a NetBIOS name, you can type another name, such as "SharedPrinter" instead of the IP address.

   - For example:

     https://SharedPrinter

   If you enable a NetBIOS name, you can also use the node name.

   - For example:

     https://brnxxxxxxxxxxx

3. Do one of the following:
   - If you have previously set your own password, type it, and then click .
   - If you have not previously set your own password, type **initpass**, and then click .
4. Click the **Administrator** tab.
5. Type the password you want to use in the **Enter New Password** field (up to 32 characters).
6. Re-type the password in the **Confirm New Password** field.
7. Click **Submit**.

Related Information

- Change Printer Settings Using Web Based Management

Confirm Printer Settings

You can print a Printer Settings Report without connecting the printer to a computer or mobile device.

1. Turn the printer on.
2. Load a 102 mm or wider RD Roll into the printer.
3. Press and hold for two seconds.

   The report starts printing.

Related Information

- Printer Settings

Routine Maintenance

- Clean Your Printer

Clean Your Printer

We recommend cleaning your printer on a regular basis to maintain its correct performance.

Always disconnect the printer from any power source before cleaning.

>> Clean the Exterior of the Unit
>> Clean the Label Output Slot
>> Clean the Roller
>> Clean the Print Head

Clean the Exterior of the Unit

- Wipe any dust and marks from the main unit using a soft, dry cloth. Use a cloth slightly damp with water on difficult to remove marks.

IMPORTANT

Do not use paint thinner, benzene, alcohol or any other organic solvent. These may deform or damage the printer case.

Clean the Label Output Slot

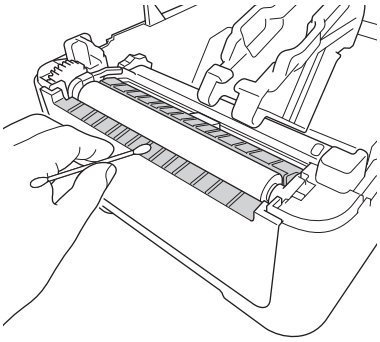
- If adhesive residue gets attached to the Label Output Slot, it may cause label jams. Clean the Label Output Slot with a dry cotton swab.

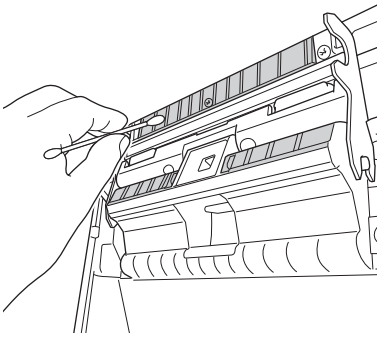
IMPORTANT

Do not use alcohol to clean the Label Output Slot.

NOTE

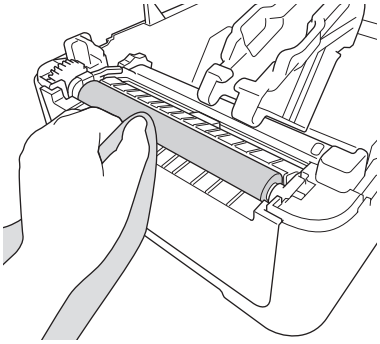
- Always remove the ejected labels from the Label Output Slot. If the slot becomes blocked, label jams may occur.





Clean the Roller

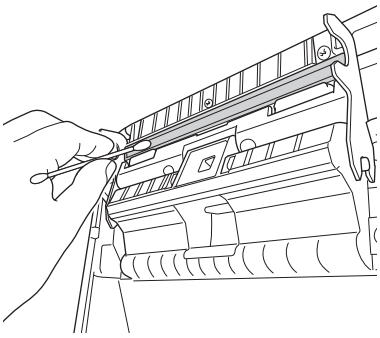
- Wipe the roller with a lint-free cloth dipped in isopropyl alcohol or ethanol. After cleaning the roller, make sure that no lint or other material remains on the roller.



Use isopropyl alcohol or ethanol according to the manufacturer's safety guidelines, as applicable.

Clean the Print Head

- Wipe the print head with a lint-free cloth or cotton swab dipped in isopropyl alcohol or ethanol.
  - We recommend cleaning the print head monthly.



Use isopropyl alcohol or ethanol according to the manufacturer's safety guidelines, as applicable.

Related Information

- Routine Maintenance

Troubleshooting

- If You Are Having Difficulty with Your Machine
- Error and Maintenance Indications
- Printing Problems
- Version Information
- Reset the Printer

If You Are Having Difficulty with Your Machine

This chapter explains how to resolve typical problems you may encounter when using the printer. If you have any problems with the printer, first make sure you have performed the following tasks correctly:

- Connect the printer to an electrical socket. For more information, see *Related Information*.
- Remove all protective packaging from the printer.
- Install and select the correct printer driver. For more information, see *Related Information*.
- Connect the printer to a computer or mobile device. For more information, see *Related Information*.
- Close the Roll Compartment Cover completely.
- Insert the RD Roll correctly. For more information, see *Related Information*.

If you still have problems, see *Related Information*. If, after reading the topics, you are unable to resolve the problem, visit the Brother support website at support.brother.com.

Related Information

- Troubleshooting

Related Topics:

- Connect the Power Cord
- Install Printer Drivers and Software on a Computer
- Connect the Printer to a Computer
- Load the RD Roll

Error and Maintenance Indications

The indicators light and flash to indicate the printer's status.

or or	Indicator is lit in the colour shown.
or or	Indicator is flashing in the colour shown.
	Indicator can be off, lit, or flashing in any colour.
	Indicator is off.

Power LED	Roll LED	Status LED	Condition	Action
			Power is off	-
			Feeding mode	-
			Printing mode	-
			Cutting mode	-
			Idle mode	-
			Mass storage mode	-
			Detecting the paper size	-
		(Once for 3 seconds)	Printing is paused	-
		(Once for 2 seconds)	Receiving data	-
		(Once for 1 second)	Cancelling the print job	-
			Print preparation mode	-
			Downloading mode	-
			Cooling mode	-
			Cover open error	Close the Roll Compartment Cover until it locks into place.
			BLF file error	Press any button to clear the error.
			Communication error	
			Database search error	
			No template error	
			Memory full error	
			ESC/P Memory full error	
			JPEG file error	
			Roll end error	Press to clear the error. Insert a roll that matches the paper setting and has sufficient paper remaining.
			Feed error	Press to clear the error.

Power LED	Roll LED	Status LED	Condition	Action
				Insert a roll that matches the paper setting.
(Once for 3 seconds)			Sleep mode	-
(Once for 1 second)			Switching to mass storage mode	-
			The printer is in System Off mode	-
			Initialising mode	-
		(Twice for 2 seconds)	Mass storage error	Press and hold to clear the error.
			Cutter error	
			Print head undetected error	
			The printer is in Boot mode.	Contact Brother customer service.
(Once for 2 seconds)	(Once for 2 seconds)	(Once for 2 seconds)	Resetting mode is on	-
(Flashes rapidly)	(Flashes rapidly)	(Flashes rapidly)	System error	Contact Brother customer service.
			Data overwrite mode	-
			The Roll Compartment Cover is open.	Close the Roll Compartment Cover until it locks into place.

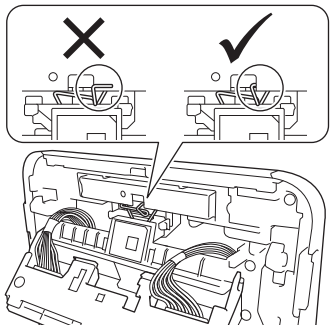
Related Information

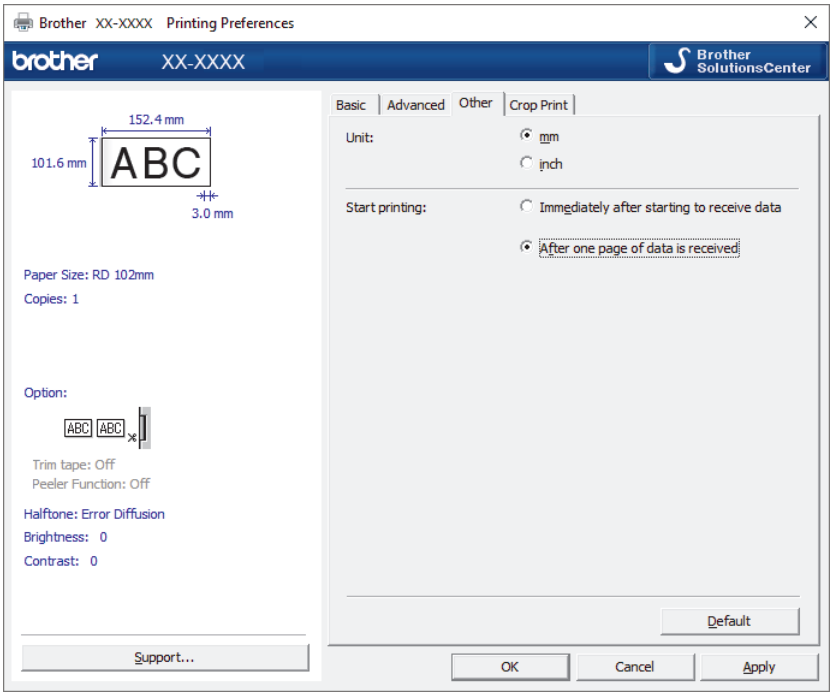
- Troubleshooting

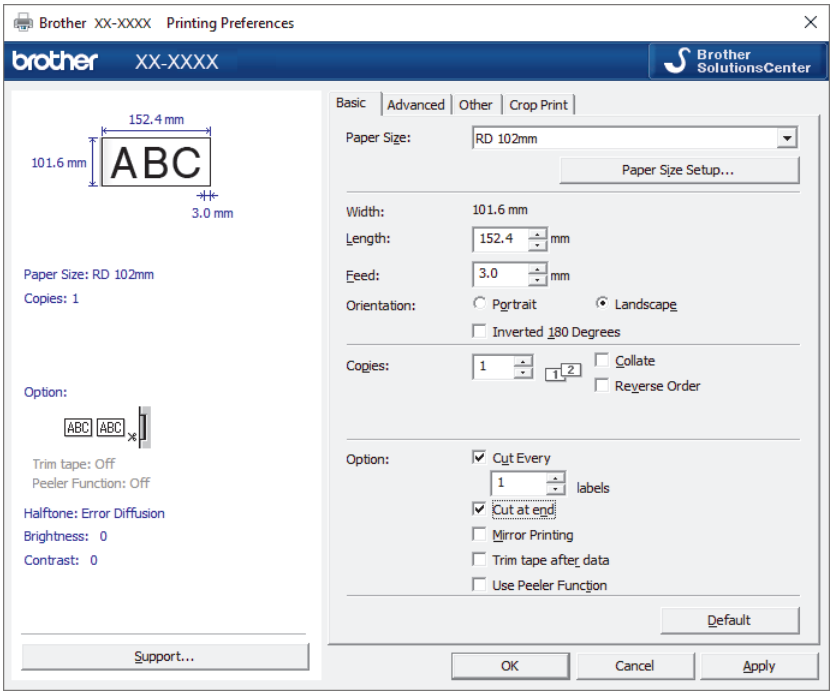
Printing Problems

Printing Problems

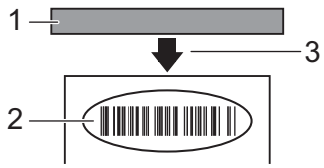
Problem	Solution
The LED indicator is not lit.	• Is the adapter cord connected correctly? Check the cord is connected correctly. • If the LED indicator still does not light up, contact Brother customer service.
The printer does not print, or a printing error is received.	• Is the cable loose? Make sure the cable is connected securely. • Is the roll installed correctly? If not, remove the roll and reinstall it. • Has the roll run out? Install a new roll. • Is the Roll Compartment Cover open? Make sure the Roll Compartment Cover is closed. • Has a print error or transmission error occurred? Turn the printer off, and then turn it on again. If there is still a problem, contact Brother customer service. • If the printer is connected via a USB hub, try connecting it directly to the computer. If not, try connecting it to another USB port.
A data transmission error appears on the computer.	• Is the correct port selected? Make sure the correct port is selected. • Is the printer in cooling mode? If the Power LED lights in green and the Status LED is flashing in orange, wait until the Status LED stops flashing, and then try printing again. • Are there any unfinished print jobs? If you try to print while other users are printing large amounts of data, the printer is unable to accept your print job until the current print jobs are completed. If this occurs, send the print job again after the other jobs are completed.
I want to cancel the current printing job.	Press ⏻ while printing is paused.
The print quality is poor.	Is there dust or dirt on the print head or roller preventing it from rotating freely? Clean the print head or roller. For more information, see *Related Information*.
The printer does not feed paper.	• Is there dirt or lint on the roller preventing it from rotating freely? Clean the roller. For more information, see *Related Information*. • Make sure the ejection path of the paper is not blocked. • Remove the roll and install it again. For more information, see *Related Information*. • Make sure the Roll Compartment Cover is closed completely.
The printer feeds paper continuously.	• Open the Roll Compartment Cover. • Press any button to stop feeding. Press ⏻ while printing is paused to cancel the print job. Press any button except for ⏻ while printing is paused to resume printing.
The printer does not pause between labels.	• Make sure you entered the media information correctly. You can set the media information using Paper Size Setup in the Printer Setting Tool. • If the sensor is dirty, wipe it with a dry cotton swab. • Make sure there are no items blocking the sensor.

Problem	Solution
An error occurs when the roll cannot be fed to the beginning of the printing.	If a feed error occurs, use the Paper Size Setup of the Printer Setting Tool to assign the correct paper settings to the printer.
Printer is in cooling mode.	The thermal head is too hot. The printer stops and resumes printing only after the thermal head has cooled down. The thermal head may become too hot if you are printing a large number of labels. When the thermal head becomes too hot, it may produce imaging outside the print area. To avoid or delay overheating, make sure the printer has adequate ventilation and is not located in an enclosed space. If the printer must cool down because it overheated due to the type of roll you are using or the contents of the label, printing may take longer than usual. **NOTE** This condition may occur more often when the printer is used at high altitude (more than 3,048 m) due to a lower air density available to cool the printer.
I want to reset the printer/delete the data transferred from the computer.	See *Related Information*.
Print head cannot be attached.	The print head cannot be attached if the print head spring is sticking out. Place the print head spring correctly and try again. 
The media is not ejected correctly when using the optional label peeler.	Has the sensor of the label peeler been exposed to direct sunlight? If the sensor of the label peeler has been exposed to direct sunlight, loaded media may not be detected correctly. Use the printer in a location not exposed to direct sunlight.

Problem	Solution
When printing via the USB cable, the printer repeatedly pauses, and then continues printing.	• Is the printer set for sequential printing? If so, set print mode to buffered printing. - **Windows 10/Windows Server 2016:** Click **Start** > **Settings** > **Devices** > **Printers & scanners**. Click the printer you want to set up, and then click **Open queue**. Click **Printer** > **Printing Preferences**. Click the **Other** tab and select the **After one page of data is received** option. - **Windows 8/Windows 8.1/Windows Server 2012/Windows Server 2012 R2:** Click **Orientation** in the **Apps** screen. Click **Hardware and Sound** > **Devices and Printers**. Right-click the printer you want to set up, and then click the **Printing preferences** menu. Click the **Other** tab and select the **After one page of data is received** option. - **Windows 7/Windows Server 2008/Windows Server 2008 R2:** Click **Start** > **Devices and Printers**. Right-click the printer you want to set up, and then click the **Printing preferences** menu. Click the **Other** tab and select the **After one page of data is received** option. • (TD-4420DN/TD-4520DN) An alternative solution is to disconnect the LAN cable until USB printing is completed. **For Windows** 

Problem	Solution
Barcodes printed using applications other than P-touch Editor cannot be read.	If the barcode data was created using a landscape orientation, change the **Orientation** setting in the **Basic** tab of the printer driver to **Landscape** and try again. 

Printed Image Problems

Problem	Solution
Printed paper contains streaks or poor quality characters, or paper is not fed correctly.	Is the print head or roller dirty? Although the print head generally remains clean under normal use, lint or dirt from the roller may become stuck on the printer head. If this occurs, clean the roller. For more information, see *Related Information*.
Printed barcodes cannot be read.	• Print labels so that barcodes are aligned with the print head as shown below:  1. Print head 2. Barcodes 3. Printing orientation • Barcodes may not be read if they are reduced or enlarged.

Network Problems (TD-4420DN/TD-4520DN)

Problem	Solution
You are using security software.	• Confirm your settings in the installation dialog box. • Allow access when the security software alert message appears during the printer installation.
You are using MAC Address filtering.	You can confirm the MAC address by printing the Printer Settings Report. For more information, see *Related Information*.
Your printer is not connected correctly to the network.	• Make sure the printer is in the mode you want to connect to. • If the printer is still not connected, do the following: - For Wired LAN Make sure the LAN cable is connected correctly.

Problem	Solution
Your printer is not assigned with an available IP address.	• Confirm the IP address and the Subnet Mask. Verify both the IP addresses and Subnet Masks of your computer and your printer are correct and located on the same network. For more information on how to verify the IP address and the Subnet Mask, contact your network administrator. • Confirm your IP address, Subnet Mask and other network settings using the Printer Setting Tool. For more information, see *Related Information*.
Your previous printing job was unsuccessful.	• If an unfinished print job is still in your computer's print queue, delete it. For example, when using Windows 10: Click **Start** > **Settings** > **Devices** > **Printers & scanners**. Click the printer you want to set up, and then click **Open queue**. Click **Printer** > **Cancel All Documents**.
I have checked and tried all of the above, but my printer does not print.	Uninstall the printer driver and the software, and then reinstall them.
You did not select to allow access when the security alert dialog box appeared during the standard installation, BRAdmin Light installation, or when printing.	If you did not select to allow access when the security alert dialog box appeared, the firewall function of your security software may be blocking access. Some security software may block access without displaying a security alert dialog box. To allow access, see your security software instructions or contact the manufacturer.
Incorrect port numbers are being used for the Brother network features.	The following port numbers are used for Brother network features: • BRAdmin Light: Port number 161 / Protocol UDP For more information on how to open the port, see your security software instructions or contact the manufacturer.

Related Information

- Troubleshooting

Related Topics:

- Reset the Printer
- Clean Your Printer
- Load the RD Roll
- Confirm Printer Settings
- Communication Settings of the Printer Setting Tool (Windows)

Version Information

Problem	Solution
I do not know the version number of the firmware for the printer.	You can confirm the version number of the firmware by printing the Printer Settings Report. For more information, see *Related Information*.
I want to confirm whether I am using the latest version of the software.	Use the P-touch Update Software to confirm whether you have the latest version. For more information about the P-touch Update Software, see *Related Information*.

Related Information

- Troubleshooting

Related Topics:

- Confirm Printer Settings
- Update the Firmware

Reset the Printer

Reset the internal memory of your printer to clear all the saved label files, or if the printer is not operating correctly.

>> Reset All Settings to the Factory Settings Using the Printer Buttons
>> Reset Data Using the Printer Setting Tool

Reset All Settings to the Factory Settings Using the Printer Buttons

1. Turn the printer off.
2. Press and hold and for about three seconds.

   All LED indicators flash in red.
3. Continue holding down .
   - (TD-4420DN/TD-4520DN) Press once to reset the network settings.

     The Power LED lights in red.
   - (TD-4420DN/TD-4520DN) Press twice to reset the transferred data and the device settings.

     The Roll LED lights in red.
   - Press three times to reset all the settings and device settings to the factory settings.

     The Status LED lights in red.
4. Release .

   All LED indicators flash in red four times, and then light in red.

Reset Data Using the Printer Setting Tool

You can use the Printer Setting Tool from a computer to perform the following operations for the printer:

- Delete the templates and databases
- (TD-4420DN/TD-4520DN) Reset communication settings
- Reset printer settings to factory settings

Related Information

- Troubleshooting

Appendix

- Specifications
- Software Development Kit
- Auto Media Configuration
- Options
- Brother Numbers

Specifications

>> Printing
>> Size
>> Interface
>> Environment
>> Power Supply
>> Media Specification
>> Compatible Operating Systems

Printing

Printing Technology	Direct Thermal
Print Resolution	• TD-4210D/TD-4410D/TD-4420DN 203 dpi • TD-4520DN 300 dpi
Print Speed (depending on the media used)	• TD-4210D Maximum 127 mm/s [1] • TD-4410D/TD-4420DN Maximum 203.2 mm/s [1] • TD-4520DN Maximum 152.4 mm/s [1]
Maximum Print Width	• TD-4210D/TD-4410D/TD-4420DN 104.1 mm • TD-4520DN 108.4 mm
Maximum Print Length	3000 mm

1 Under Brother standard environment

Size

Weight	• TD-4210D/TD-4410D Approximately 2.08 kg • TD-4420DN/TD-4520DN Approximately 2.08 kg
Dimensions	Approximately 180 mm (W) x 155 mm (H) x 224 mm (D)

Interface

USB	USB Ver.2.0 (Full Speed) (Type B)
Serial	RS232C (DB9 male) [1]
Wired LAN (TD-4420DN/TD-4520DN)	10/100BASE-TX

1 Use a serial cable that is under 3 m.

Environment

Operating Temperature	Between 5°C and 40°C
Operating Humidity	Between 20% and 85% (without condensation)

	Maximum wet bulb temperature: 27°C
Storage Temperature	Between -20°C and 60°C
Storage Humidity	Between 10% and 90% (without condensation)

Power Supply

Adapter	AC Adapter (100 to 240 V 50/60 Hz)

Media Specification

The media material may affect print quality.

In order to achieve optimum print results, we recommend using Brother thermal paper (RD Rolls).

Media Type	Wristbands, Continuous, Die-Cut, Fan Fold, Perforated, Tag
Media Width	From 19 mm to 118 mm
Minimum Media Length	6.4 mm Continuous: 6.4 mm Label Peeler: 17 mm Cutter: 20 mm Tear: 18 mm
Thickness	From 0.058 mm to 0.279 mm
Roll Outside Diameter (maximum)	127 mm
Core Diameter (minimum)	12.7 mm
Media Sensor	Transmissive, Reflective

Compatible Operating Systems

For the complete and updated list of software, visit support.brother.com.

Related Information

- Appendix

Software Development Kit

A Software Development Kit (SDK) is available from the Brother Developer Center (https://support.brother.com/g/s/es/dev/en/index.html).

(TD-4210D) The b-PAC SDK can also be downloaded. (The SDKs available are subject to change without notice.)

(TD-4420DN/TD-4520DN) The b-PAC SDK and the SDKs for mobile devices (Android™, iPhone, and iPad) can also be downloaded. (The SDKs available are subject to change without notice.)

(TD-4410D) The b-PAC SDK and the SDKs for mobile devices (Android™ only) can also be downloaded. (The SDKs available are subject to change without notice.)

Related Information

- Appendix

Auto Media Configuration

- Auto Media Configuration Overview
- Use the Auto Media Configuration Function
- Check the Sensor Position

Auto Media Configuration Overview

Auto Media Configuration allows the printer to automatically detect the characteristics of the installed paper, and then select the correct paper size settings.

Model	Automatic Detection Items
TD-4210D/TD-4410D	• Paper type • Length • Label spacing • Width of marks • Gap/Black mark detection sensitivity
TD-4420DN/TD-4520DN	• Paper type • Width • Length • Label spacing • Width of marks • Gap/Black mark detection sensitivity

Auto Media Configuration Workflow

After Auto Media Configuration is started, the printer will feed the paper to detect its characteristics. By default, the printer uses the continuous feed setting unless:

- The transmissive/gap sensor detects a die-cut label.
- The reflective/black mark sensor detects marked media. [1]

- If the paper runs out during the Auto Media Configuration, the printer will not detect the media type successfully and an error will be displayed.
- If the paper width is not aligned correctly, the calibration will not be successful.
- Depending on the paper's shape and material, media detection may not be possible.
- (TD-4210D/TD-4410D)

  The recently used paper width is set.
- (TD-4420DN/TD-4520DN)

  The paper width is obtained by subtracting 2.0 mm from the left and right from the detected width.

Related Information

- Auto Media Configuration

1 It may be necessary to feed the paper again depending on the results.

Use the Auto Media Configuration Function

>> Calibrate Media Information Using the Printer Buttons
>> Calibrate Media Information Using the Printer Setting Tool

Calibrate Media Information Using the Printer Buttons

- Press and hold for about five seconds.

  After the calibration is completed, the detected paper information is set on the printer.

Calibrate Media Information Using the Printer Setting Tool

1. Connect the printer you want to configure to the computer.
2. Start the Printer Setting Tool.
   - **Windows 10/Windows Server 2016:**

     Click **Start** > **Brother** > **Printer Setting Tool**.
   - **Windows 8/Windows 8.1/Windows Server 2012/Windows Server 2012 R2:**

     Click the **Printer Setting Tool** icon on the **Apps** screen.
   - **Windows 7/Windows Server 2008/Windows Server 2008 R2:**

     Click **Start** > **All Programs** > **Brother** > **Label & Mobile Printer** > **Printer Setting Tool**.
3. Click **Paper Size Setup**.
4. Click **Edit** or **New**.
5. (TD-4210D/TD-4410D) Click **Auto media configuration**.

   After the calibration is completed, the detected paper information is set on the printer.
6. (TD-4420DN/TD-4520DN) Click the **Auto media configuration** drop-down list, and then select the **Auto media configuration** option or **Acquire width only (no feed)** option.

   Detection results are displayed.
7. Click **Import** to apply the results to the paper size settings.

Related Information

- Auto Media Configuration

Options

- Clean Other Printer Components
- Change the Label Peeler Options
- Change the Cutting Options

Clean Other Printer Components

We recommend cleaning the printer on a regular basis to maintain optimal performance.

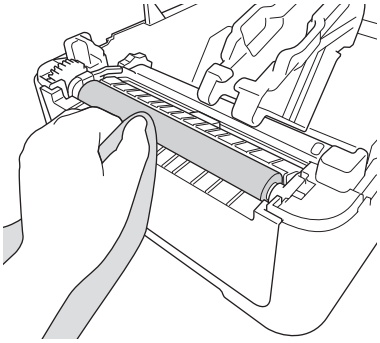
Always disconnect the printer from any power source before cleaning.

>> Roller
>> Print Head
>> Cutter
>> Label Peeler

Roller

TD-4210D/TD-4410D/TD-4420DN	PA-PR2-001
TD-4520DN	PA-PR3-001

- Wipe the roller with a lint-free cloth dipped in isopropyl alcohol or ethanol. After cleaning the roller, make sure that no lint or other material remains on the roller.

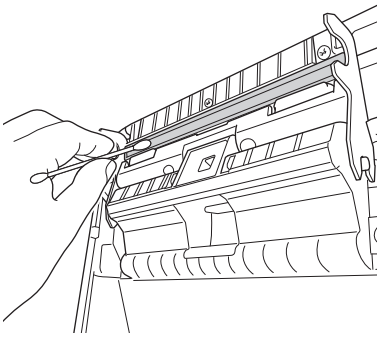


Use isopropyl alcohol or ethanol according to the manufacturer's safety guidelines, as applicable.

Print Head

TD-4210D/TD-4410D/TD-4420DN	PA-HU2-001
TD-4520DN	PA-HU3-001

- Wipe the print head with a lint-free cloth or cotton swab dipped in isopropyl alcohol or ethanol.
  - We recommend cleaning the print head monthly.



Use isopropyl alcohol or ethanol according to the manufacturer's safety guidelines, as applicable.

Cutter

TD-4210D/TD-4410D/TD-4420DN/TD-4520DN	PA-CU-001

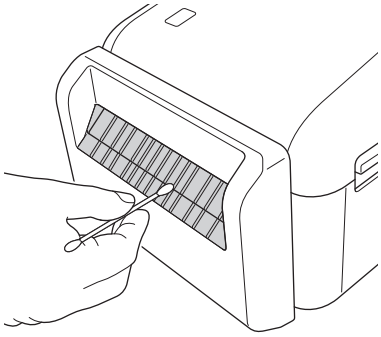
NOTE

- Always remove the ejected labels from the Label Output Slot. If the slot becomes blocked, label jams may occur.
- Cutting accuracy cannot be guaranteed for labels with perforations or creases.

- If adhesive residue gets attached to the Label Output Slot, it may cause label jams. Clean the Label Output Slot with a dry cotton swab.

IMPORTANT

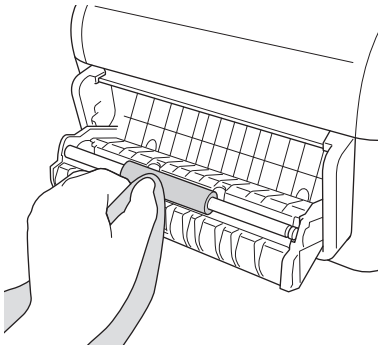
Do not use alcohol to clean the Label Output Slot.



Label Peeler

TD-4210D/TD-4410D/TD-4420DN/TD-4520DN	PA-LP-002

1. Wipe the roller with a lint-free cloth dipped in isopropyl alcohol or ethanol. After cleaning the roller, make sure that no lint or other material remains on the roller.

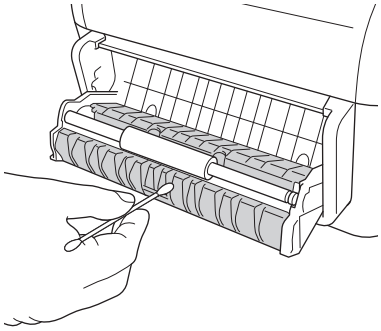


Use isopropyl alcohol or ethanol according to the manufacturer's safety guidelines, as applicable.

2. If adhesive residue gets on the Label Peeler, it may cause label jams. Clean the Label Peeler with a dry cotton swab.

IMPORTANT

Do not use alcohol to clean the Label Peeler.



Related Information

- Options

Change the Label Peeler Options

After attaching the Label Peeler, set the printer driver peeler option.

1. Do one of the following:
   - **Windows 10/Windows Server 2016:**

     Click **Start** > **Settings** > **Devices** > **Printers & scanners**. Click the printer you want to set up, and then click **Open queue**. Click **Printer** > **Printing Preferences**.
   - **Windows 8/Windows 8.1/Windows Server 2012/Windows Server 2012 R2:**

     Click **Orientation** in the **Apps** screen. Click **Hardware and Sound** > **Devices and Printers**. Right-click the printer you want to set up, and then click the **Printing preferences** menu.
   - **Windows 7/Windows Server 2008/Windows Server 2008 R2:**

     Click **Start** > **Devices and Printers**. Right-click the printer you want to set up, and then click the **Printing preferences** menu.
2. Select the **Use Peeler Function** check box.
3. Click **OK**.

Related Information

- Options

Change the Cutting Options

The cutting options allow you to specify how labels are fed and cut. If you do not use P-touch Editor, you can change the cutting options in the printer driver properties.

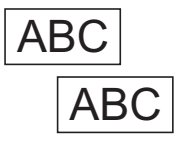
1. Do one of the following:
   - **Windows 10/Windows Server 2016:**

     Click **Start** > **Settings** > **Devices** > **Printers & scanners**. Click the printer you want to set up, and then click **Open queue**. Click **Printer** > **Printing Preferences**.
   - **Windows 8/Windows 8.1/Windows Server 2012/Windows Server 2012 R2:**

     Click **Orientation** in the **Apps** screen. Click **Hardware and Sound** > **Devices and Printers**. Right-click the printer you want to set up, and then click the **Printing preferences** menu.
   - **Windows 7/Windows Server 2008/Windows Server 2008 R2:**

     Click **Start** > **Devices and Printers**. Right-click the printer you want to set up, and then click the **Printing preferences** menu.
2. Select the **Cut Every** check box, and then select where to cut when multiple labels are printed.
3. Select the **Cut at End** check box.
4. Click **OK**.

Label Cutting Options

Auto Cut (Cut every one label)	Cut at End	Image
Off	On	
Off	Off	
On	On or Off	

Related Information

- Options

Brother Numbers

IMPORTANT

For technical help, you must contact Brother customer service.

>> Customer Service
>> FAQs (Frequently Asked Questions)

Customer Service

Visit www.brother.com for contact information on your local Brother office.

Service centre locations

For service centres in Europe, contact your local Brother Office. Visit www.brother.com for the contact information.

Internet Addresses

Brother Global Web Site: www.brother.com

For Frequently Asked Questions (FAQs), Product Support and Technical Questions, and Driver Updates and Utilities:

support.brother.com

FAQs (Frequently Asked Questions)

For more information on your Brother machine, visit Brother's support website at support.brother.com. For additional help and tips, go to your model's **FAQs & Troubleshooting** page; for the latest printer drivers and software, go to your model's **Downloads** page.

Related Information

- Appendix

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www.brother.com

Brother Earth
www.brotherearth.com

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